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DIRECTIONS. Manuscript must be plainly written and on one side of paper only. Your letter must be addressed to PRIZE DEPARTMENT, VICK'S FAMILY MAGAZINE, 62 STATE ST., ROCHESTER, N. Y., and the number of the contest plainly marked on the outside of the envelope. At the top of the first page of Mss. must appear the author's name and address, also number of words. If you desire Mss. returned if not successful in winning a prize, sufficient postage must be enclosed for its return. Mss. should be sent in as soon as possible to give time to review carefully. Date of closing the contest will be announced later.

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Vick Publishing Company.

SEPTEMBER, 1902

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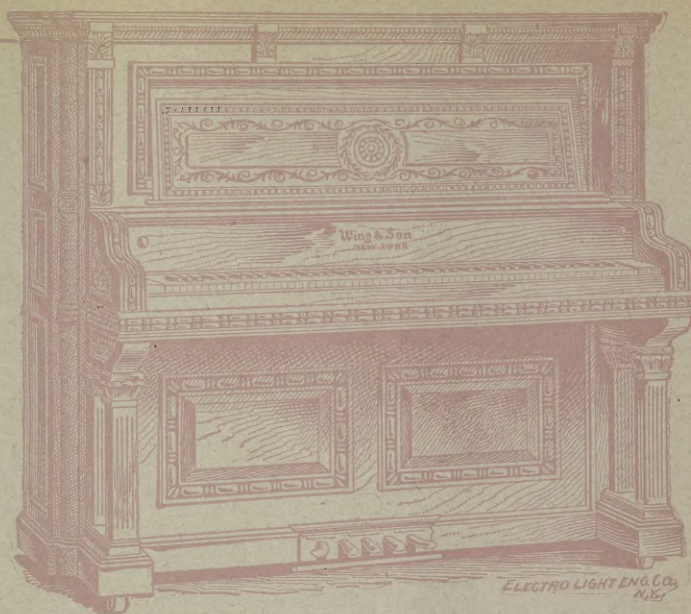
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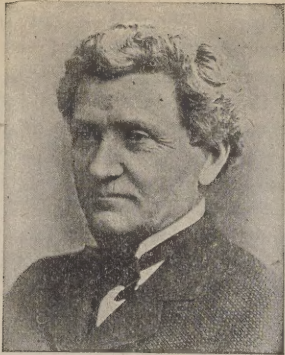
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JAMES VICK
Founder and First Editor

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CHOICE PLANTINGS FOR AUTUMN.

Lilies, without question, deserve first mention. They are adapted to so many localities, and are withal so beautiful and so stately that they are of all flowers most admired. They would be far more extensively grown but for the mistaken idea that their culture is attended by difficulties and uncertainty. On the contrary, it is exceedingly simple with the observance of a few essential points. By a proper selection of varieties, one may secure a succession of bloom throughout the summer. September and October are the best months for Lily planting in the open ground. *Lilium candidum*, especially should be planted early in September, earlier if it can be procured. It is done blooming by August 1, and orders should be placed early and bulbs planted soon as received to preserve its fleshy, perennial roots. It is perfectly hardy everywhere, but the wise plan of giving all plants winter protection is an admirable one with Lilies, since it prevents heaving of the bulbs from alternate freezing and thawing. Old decayed matter like manure, straw or leaves, to be worked into the soil in the spring, is highly beneficial. The early Lilies like *candidum* and *longiflorum* often fail to bloom in warm localities, because the hot sunshine of early spring starts

them into growth too soon, and the tender buds are destroyed by the late frosts peculiar to those places. The beds should be given a heavy mulch after the ground freezes and before severe freezing, and this should be left undisturbed until quite late in the spring, in order to retard their starting until all danger from frosts is over. Lilies seem to delight in partially sheltered situations, as among clumps of shrubbery and in the shelter of buildings, if secure from dripping eaves. When once planted, they should be left undisturbed for years. They neither increase nor bloom satisfactorily if shifted about, but form immense clumps with magnificent flowers when planted in congenial soil in permanent beds. Order from a reliable florist that you may receive the bulbs in fresh condition. Plant as soon as received to preserve their perennial roots and so prevent check from drying and loss of vitality. This plan insures time for a healthy root growth before freezing weather.

Shallow planting is a frequent cause of failure, the bulbs being heaved out of their beds by alternate freezing and thawing. In very cold countries, a southeast exposure is best; in the South, a northern one to prevent too early starting. Give them a deep, well-spaded soil, made very rich with old well-rotted manure thoroughly worked into the soil, and not allowed to come in contact with the bulbs to induce decay. Plant the bulbs eight or nine inches deep, encasing them in coarse sand. Lily beds, and especially for *Lilium auratum*, must be well drained. If they are not so naturally, throw out the soil to a depth of two feet and throw in a layer of broken bricks, pottery, bones, and similar rubbish, then fill up with soil removed, lightening it if necessary by the addition of coarse sand, manure, and good loam. Water standing about the bulbs is sure to cause decay. Some of the best varieties for a succession, besides *candidum*, *longiflorum*, and *auratum*, are *tenuifolium*, *rubellum*, *Canadense*, *pardalinum*, the *speciosums* or *lancifoliums*, *Lechtlini*, because of its long season of bloom, and the well known tiger Lilies both single and double. It is well to leave selection of varieties to your florist who will select the very best and most effective varieties for your locality.

Pæonies are universally admired, becoming more and more popular with each succeeding year. They are among the choicest of flowers for permanent beds, clumps among shrubbery, or for massing on the lawn. Many are delightfully fragrant, and their culture is the simplest. Plant Pæonies in October for best results, and give them permanent beds where undisturbed they will in-

crease in beauty and abundance of bloom in accordance with their age. If planted at a depth of about eight inches they will not suffer from extremes of heat and cold. They will succeed in any soil except one low enough for the water to stand on the surface during the winter and early spring. They are perfectly hardy, but if a heavy mulch of coarse manure be given them after the ground is frozen, and worked into the soil the following spring, the increased size and beauty of the flowers will repay the trouble. By planting several varieties, a succession of bloom may be secured during May and June. It is well to secure the entire supply from a single florist who makes a specialty of them, since in no other class of flowers is one so apt to secure duplicates under different names. The same variety may be obtained under half a dozen different names, from as many different florists. Different soils and fertilizers produce a marked difference in the coloring of the flowers. Moreover, different florists christen their stock to suit their own individual fancy, and no two persons will describe alike the delicate crinkles, tintings, and blendings found in the rarer combinations.

Hyacinths may be planted in open ground at any time from late September until the ground freezes. Both the Dutch and the Roman Hyacinths delight in a rich soil and a sunny location. Plant from four to five inches deep, the depth varying with the locality, and six inches apart in the row. The soil should be well drained either naturally or artificially, and as soon as settled freezing weather sets in, they should be given a heavy mulch of old, decayed stable manure, part to be removed when the sunny days of spring appear, and part to be worked into the soil. In localities subject to late frosts, the mulch should remain undisturbed until rather late, to retard starting; the buds in this way escape the danger. They are very fine for cutting, and any stalks that remain should be removed as soon as the flowers fade to prevent the development of seeds, and consequent weakening of the bulbs. Hyacinths may be left as a permanent bed, and annuals sown over them for summer flowering. If the beds be needed for deep bedding purposes, the bulbs may be dug as soon as the leaves turn yellow—in from five to six weeks after flowering—and stored in some spare corner of the garden with loose dirt thrown over, or dried and packed in paper bags or pasteboard boxes to be stored in a dry, cool place until time to plant again.

Tulips are fine for permanent beds of the most gorgeous flower grown. They are not imperative in their requirements, but may be grown in almost any soil or locality with proper drainage. They delight in a sandy soil, but if it be very poor it is well to add some good fertilizer, keeping it from direct contact with the bulbs. They may be planted all through the months of October and

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A BED OF IRISES.

(Written for Vick's Family Magazine.)

"How is your Lily bed doing?" I asked of a floral friend. "O, don't ask me," she cried turning away. "A third of my bulbs rotted, a third more the ground mice ate, and on the others the buds blast and the stalks die down without blooming. What is the matter with them?"

I took a minute's survey of said bed but had already decided what was the matter. "It gets too much of the hot noon sun for Lilies and is not enough drained. Make an Iris bed of it. The ground mice will not trouble those."

"Yes, but my dear, I want something that will bloom at different times all summer. The Lilies do not all bloom at the same time." "Neither do the Irises. There is a little dwarf, deep blue variety that blooms before any Lilies dare more than put their noses above ground. Then there is our own dear little pale blue wild one. It blooms a little later but the two would make a splendid border all around your bed. Persian Iris blooms with the Hyacinths and is dwarf, too, but it has a bulbous root and likes a well drained bed. If you plant it in your border you will have to raise your bed about a foot and a half or cut a small ditch back there to carry off the water.

Next to the dwarf ones I would have a row of Spanish Irises. There are so many colors and mixtures in colors of them—from a pure white and a yellow to a deep blue, and then yellow and blue, also white and blue.

The next to bloom are the dwarf German, followed by the tall German. To those who are only acquainted with our common blue flag, the new varieties of this class would be a revelation. Mad. Chereau is the prettiest of them, I think. Each pearl white petal is feathered around the edge with deep blue.

Then for the center of your bed I would have Japanese Irises. What Lilies can equal them in beautiful colors and shadings! If we all had as good olfactory nerves as some novelists we could say they are sweet scented, too. If I were you, I would have a pure white one, one pale china blue, one deep mahogany, one pale yellow and several deep blue or purple. Oh! It would be gorgeous! They do best planted in a bog, of course, but they would do very well planted here with your pump so handy to give them water. Then again they do love the hot sunshine and must have it. This southern exposure, so hard on most Lilies, would just suit them.

There is another, Alata or Scorpion Iris. It blooms in September and October. I have never tried it, but think I will this fall. That is the best time for setting out all of these Irises. The roots get an early start in the spring before the dry weather comes on. Do not plant the roots too close together, for the Japs, especially, soon become large clumps.

H. A. T.

CARE OF ROSES.

(Written for Vick's Family Magazine.)

One of the worst enemies from which roses suffer is the slug, and yet it is not difficult to exterminate these if proper precautions are taken early in the year. In the fall or early winter is the best time to begin the war against them, as they are less numerous at that season than when the flowers are in bloom.

Dig the soil away as much as is possible without disturbing the roots. Mix this soil with any well-rotted and pulverized manure; replace it about the roses and pack firmly. Over the top place flat stones and after a week lift them gently, killing the slugs that will have gathered there. Repeat this several times, then sprinkle finely cut tobacco over the surface of the soil,—waste from a

cigar factory is excellent,—and leave it until spring. After the leaves appear, soak the soil very thoroughly with kerosene emulsion and repeat every two weeks until the blooming season.

Treated in this way the roses will be free from insects and the blossoms very large and beautiful.

Lalia Mitchell.

REMOVING PLANTS TO THE HOUSE.

(Written for Vick's Family Magazine.)

All but a very few of our house plants were bedded out in the spring, and this is our plan of potting and moving them:

Six or seven days before time set for potting, which should always be early enough so there's no possible danger of frost, we cut around each plant as far out as we mean to take up the soil, with a sharp knife, as deep as the blade of the knife is long; this is done to allow the roots to heal where they are cut. The evening before potting the soil is thoroughly wet.



GERMAN IRIS

In each pot or can which has previously been scrubbed clean, and provided with drainage holes, is put a layer of charcoal and one or two small pieces of lime mortar; for a six-inch pot we use an inch of charcoal layer. Over this we place sphagnum moss or excelsior, then a little prepared soil which is made of leaf mold two parts, one part of sand and decayed manure. Now the plants are carefully lifted, and if the cut has been well done and the soil soaked, they will come up nicely with scarcely any exposed roots. We use pots but little larger than the round of soil we have cut out, and the cut was made according to the size of plant. When lifted, if many roots have been severed, we prune several leaves and branches; if but few or none have been severed, we do not prune any unless to improve the shape of the plant. The plant is placed in its chosen dish, the prepared soil sifted in around the edges filling all the room there is, the pot sharply jarred, and a

little soil scattered on top. Then it is set in a shady window for several days, finally removed to its winter shelf and if it needs, is watered. If the weather is sultry, the plants are sprayed morning and evening. A whisk broom will answer, but a plant sprinkler is so much better that every person should have one—the Tyrian sprinkler is a treasure.

Use the same soil for Begonias, Geraniums and Pinks? Yes, but the bedding soil was different. The soil for the Begonias was principally from an old swamp; the Geranium had a mixture of garden soil, with some from the swamp; the Pinks and Petunias same as the Geranium with an addition of decayed manure (barnyard). Don't use sand? No, the swamp soil is sandy enough. Before I forget, on top of the moss or excelsior was put a tablespoonful each of soot and wood ashes, and a top dressing of mixed soot and wood ashes was applied to the beds twice during the summer. The double Petunias, however, grew so rank that we could give them no top dressing, but we watered with soap suds. Why the lime mortar? We have a pet notion that this helps to keep worms out of the soil; at least it does no harm. It is only a theory; we haven't proved it yet.

Whether your plants are in beds or not, do not put off the repotting and removing indoors too late; better be too early than for a frost to catch the pets, or for you to need to do the work in such a hurry that you cannot do it well. Take plants in gradually; if you have a wide porch, take them to this first, shading of course; if a hall, leave them here a few days; when taken directly from out doors to a close room it checks them greatly, often causing most of the foliage to fall.

Keep Pinks and Chrysanthemums in a room without artificial heat as long as possible; the blooms will be nicer and will last much longer. It is a question whether removing plants outdoors for a sun bath or a warm shower after being indoors, is a benefit or not.

Emma Clearwaters.

SOME SEPTEMBER NOTES.

(Written for Vick's Family Magazine.)

Years ago a lady of Ohio sent me a root of the wild marshmallow *Hibiscus moscheutos*, and it is here yet, a good companion for the *Hibiscus Crimson-eye* which grows beside it. About August 25, both came into bloom. There is no botanical difference between the two but the leaves of the marshmallow are of a lighter green and the flowers are a bright pink. The white, crimson-centered flowers of the *Crimson-eye* are perhaps the largest, but the golden stamens and style, the calyx and seed vessel, the duration of bloom, and everything else is identical with the marshmallow's parts. Both are noble plants flowering until frost stops them, perfectly hardy and long-lived, subject to no insect or disease, so far as I know. Gray says the marshmallow likes the salt marshes of the Atlantic coast and the vicinity of salt springs. If this is so, an application, not too strong, of salt now and then might be a good thing. I think I will make a cautious trial. The marshmallow, and presumably the *Crimson-eye*, both like water, but some years they have borne a severe drouth without complaint, though their stems might be shorter for it.

Last spring, wishing to make the creeping rose *R. Wichuriana* more conspicuous than when trailing on the ground as heretofore, I bent an iron that looked a good deal like the section bar of a six-foot mowing machine with all the sections on it, into the form of an arch two or three feet high and set it over the plant, training the branches over it. The old black sections looked for a time

(Continued on Page 20.)



THE DAFFODIL.

(Written for Vick's Family Magazine.)

"Though many a flower in the wood is waking,
The daffodil is our door-side queen."

The Daffodil makes its appearance in time for Easter. Always a component of the flower-gardens of long ago, we read of it in old English botanies as the "Easter Lily." The clear, shining tints of gold in the trumpet, and the short spreading perianth of primrose have given the local name in the South, of "Golden Candlesticks."

Everywhere the Daffodil is a free and hardy bulb, for out-door growth and for forcing, and the flowers are bright and gay. Not so early as the Roman hyacinth or crocus, it is yet one of the early spring flowers. It flourishes with almost no care, and may be planted in almost any kind of soil. A sunny, well drained position, and one not likely to be spaded up or disturbed after the tops die down, will be all this sweet old flower asks. That autumn is the time to plant the bulbs will be readily seen from what Mr. Meehan says: "The Daffodil sends out its roots throughout the winter time, no matter how hard the ground may be

frozen. The young fibres have internal heat or they would not be alive, and this heat is sufficient to thaw enough moisture to keep the bulb alive. It is this work of the roots during winter which makes it necessary to plant the bulbs in the fall of the year. The earlier they are planted, the stronger they will flower the ensuing spring."

The low rates at which the bulbs are sold, the ease with which they accommodate themselves to circumstances, or surroundings, and the certainty and beauty of the blooms, leave no excuse for barren grounds in early spring. Brighten up the home grounds, border the walks and fill out the flower frieze around the four sides of the lawn, make some fancy beds; or if dwelling in a flat, as in a house that opens directly on the street, fill some boxes and pots with Daffodils. Drain the pots, after they are well filled with fertile soil, by keeping the opening in the bottom free, set them safely away in the dark for five or six weeks, watering them regularly, as needed, and then gradually bring to light and to very moderate heat and there will be a sunburst of blooms. Temperature just above freezing is not too cold, and what may be called a forcing temperature for daffodils is above frost or something higher. Avoid hot, dry air in the apartment where they are kept. Let them have ventilation and moisture in the air as well as in the soil. The Daffodil will not fail to make returns for the expense and care it so modestly demands. Plant the bulbs liberally. The greater the number the finer the display.

Mrs. G. T. Drennan.

PLANTS FOR WINTER.

(Written for Vick's Family Magazine.)

The frosty nights which so often come the first of September will necessitate taking into winter quarters the veranda plants and those that have been plunged in beds or about the shrubbery. In limited city quarters space must be considered; many valued plants must be given away, consigned to the cellar, or left to the mercy of winter, "which hath no mercy." So some discrimination has to be employed in deciding what plants shall be reserved to cheer the winter. Our list would perhaps not commend itself to all, as it is based upon personal preferences and the recollections of former successes.

Among the Begonias are some fine plants which we cannot consent to sacrifice, a stately *Ricinifolia*, with luxuriant leaves as large as a palm-leaf fan, a lusty *Rubra* with great coral panicles of bloom, and a delicate cut-leaved *Weltoniensis*, a perfect miniature tree loaded with waxy bloom. Other Begonias which experience has shown to be desirable for winter, and which we have therefore reserved, are *Compta*, *Robusta*, *Thurstonii*, *Margaritæ*, *Sandersonii*, *Argentea Guttata*, *Pres. Carnot*, *Vernon*, and *Folissa*. We have a dozen other sorts, including some fine *Rex* specimens, but can hardly expect them to winter well. Begonias are favorites with us, and we have succeeded in carrying through the winter various other sorts than those above mentioned.

A wise abstinence in the matter of water is indispensable in the winter care of Begonias. Sudden changes of temperature are fatal to this class of plants. Perhaps we should hardly recommend Begonias for winter plants, were it not for our great admiration for them. We are



FUCHSIA TRAILING QUEEN

always willing to take a great deal of pains for any thing we really desire.

Our *Farfugium grande* is growing finely now; it is starting eight leaves at once; but we can hardly hope to have it in active growth much longer. But it is so imposingly beautiful with its immense clusters of great spotted leaves that we are perfectly satisfied to have it half dormant for a time. Of course little water will be given it while in that state. Our *Oxalis Ortgiesi* is in full bloom, and must be spared.

The tall *Ficus elastica*, the big Palms, *Latania Borbonica*, and *Chamaerops excelsa*, and *Filifera*, the *Aspidistras*, and the large *Asparagus plumosus nanus* must have room, if they do require a good deal. We have retained the *Rainbow Canna*, although it has not colored up as we expected. Still it is a big thrifty clump of verdure, and makes a good background for the fine display of *Chrysanthemums*. Eight foliage *Geraniums* must be saved, including *Bijou*, *Black Douglas*, *Cloth of Gold*, *Crystal Palace Gem*, etc.

A large *Acacia lophantha* is quite one of the family, and no one would think of excluding that, nor the little tree, *Araucaria*. These large plants take up a good deal of room, it is true, but they are like old friends, the dearer for our long association with them. We cannot spare the fine *Smilax* on a wire trellis, nor the thrifty young *Passiflora Pfordlii*, nor the *Asparagus Sprengeri*,

(Continued on Page 20.)

GOLDEN-ROD.

A flash of sunlight in the lane,
A trail of splendor by the way,
A guide through dusty labyrinths
That lead the stranger all astray.
A wave of heat rolls o'er the land,
And seen afar through shining mist,
Like dreams that form to fade again,
Soft sweeping hills of amethyst.

On rocky ramparts weird and wild
That frown above the summer seas,
Thy royal ensign boldly stands
And flaunts defiance to the breeze.
What ocean reaches vast and strange,
What visions rare of cloud and sky,
The white sails lean unto the wind,
The breakers plunge, the sea-mews cry.

Sheila.



BEGONIA ARGENTEA GUTTATA



Talks About Flowers

By
BENJAMIN B. KEECH



BULBS: When and What to Plant.

As a general rule, the person who orders his fall bulbs early and plants them in good season, realizes the best results. Varieties ordered late in the fall are sometimes spongy and infirm; and it is not always the seedsman's fault if he is forced to send out such bulbs. To be sure, we often receive and plant good, strong specimens as late as December, but it is not the best plan to wait until the last moment before ordering.

The seedsman's catalogues will appear sometime during this month, and it is the wise gardener's privilege and duty to get his order under way as soon as possible, so as to be sure of receiving the bulbs in October. The seedsman usually fill the orders in rotation, unless instructed differently, and it is a good plan to be among the first on the list, in order to be sure of getting bulbs that have not been culled over. After the different kinds are received, plant them as soon as possible. Do not expose them to air and light any more than can not be helped, as this is liable to induce premature growth or shrivel them up.

If you are a beginner, and are wondering what to include in your first order, let me advise you to start out with a few hyacinths, paper white narcissi, daffodils, Chinese sacred lilies, crocuses and single tulips.

Hyacinths are beautiful, obliging, satisfactory, fragrant and recommendable; and, when in blossom, are worth a great deal more than the sum originally paid for them. If you cannot indulge in the named kinds, the mixed varieties will afford you many pleasant surprises. A dozen each of Roman, single Dutch and pompon hyacinths will make a very beautiful and satisfactory window garden, and no flower is easier to get along with when once understood.

The Roman varieties will blossom by Christmas if planted about three months beforehand, while the other kinds will dispense cheer, fragrance and bright colors from December until spring, provided they are not all induced to come into flower at once. If your cellar is cool and dark, many of the Dutch and Pompon varieties will not require to be brought up to the living rooms before February or March, and they will be all the better for not hustling them along too fast. The single Dutch hyacinths are hearty and wholesome, and produce larger spikes and larger flowers than the Roman kinds. The latter, however, send up from one to four trusses of flowers, thus making themselves very desirable for cultivation. The pompon hyacinths are tidy and respectable; their substantial blossoms should appear in every window garden.

The paper white narcissus is almost sure to bloom, and it is an easy matter to have it in flower for the holidays. A few scarlet and yellow Duc Van Thol tulips should be grown to serve as a foil to the white beauty of this very desirable narcissus. Daffodils may not be coaxed into flower before February, but at least a dozen should be planted; they are beautiful and entirely satisfactory, and their color is all that could be desired. People who are inclined to feel blue should surround themselves with yellow daffodils. Perhaps there is a psychological significance in that statement.

If you decide to plant more than one bulb of the Chinese sacred lily, put the double ones in soil and the single ones in water, provided they are sent so you can tell which is which. When grown

in soil, choose nothing smaller than a six-inch dish; give good drainage, reasonably rich earth and place away in a darkish locality till growth begins. Those who have realized nothing but disappointment in growing this lily in water, should grow it in soil. I think you will be pleased with this method of culture.

To grow the Chinese lily successfully in water, choose a properly shaped glass dish, fill it with pebbles and charcoal or two or three large stones, and after removing the old roots and brown outer covering, place the bulb securely in the dish, with its base a little lower than the rim. Fill with fresh water and see that it is kept fresh. Do not



CHINESE SACRED LILY.

place in the direct light, at first. It is quite unnecessary to gash the bulb with a sharp knife. If you desire to interest your children in flowers, introduce them to the Chinese sacred lily.

How to Plant.

It is a good idea to get all the pleasure possible out of the work we have to do, and the planting of bulbs need not necessarily be an irksome task. If all the hyacinths, narcissi, etc., are to be planted at one time, choose a day when you have nothing else to bother you, and retire into the woodshed or back porch with your bulbs and potting paraphernalia. Arrange the pots and tin cans on the floor or table, putting in the drainage material as advised last month; do not forget to

put a covering of leaves over the pebbles and charcoal.

Use judgment as to the size of the receptacles in which you place the different bulbs. There is no fixed rule in this matter, though medium sized hyacinths will do well in four or five-inch pots or quart cans, while smaller bulbs will deport themselves properly in pint cans and three-inch pots. Larger bulbs should have larger receptacles, and where three or more specimens are to be planted together see if a six inch dish doesn't look about right.

Fill each receptacle full of the potting soil, pressing it down gently—which does not mean firmly—with the hand until the tip of the bulb, when set in, will be just below the rim. If you think it advisable, surround the choicest bulbs with charcoal or sand to prevent decay. Cover with soil, and water thoroughly; as the dirt settles, keep adding more, until the dish is full. To the uninitiated it may be said that the pointed, conical end of a bulb is the top, while the flat end, with small, warty projections—the future roots—is the bottom. Results will always be more satisfactory if each bulb is planted bottom end down.

After the different specimens have been potted they should be set away in some cool, dark place where they may begin to form roots; and the more they can form and the longer time they have, the better the results will be. If a bulb in soil sends up shoots within a few weeks after it is planted, it should not be placed in the window or encouraged to blossom, for the chances are it will prove a failure. Set it in complete darkness and wait until you are sure it has grown a proper amount of roots with which to draw nutriment from the soil. Because a bulb quickly sends up leaves is not a sure indication that it is ready to bloom. It is rather a sign that it has been kept too warm.

A cellar is usually the best place in which to store potted bulbs; failing a cellar there are probably cupboards and closets that may be used to advantage, provided they are not near a fire or in a light room. It is sometimes well to plunge the bulbs out of doors, in a sheltered location, but we at the north cannot follow this method, because many of the hyacinths, etc., would be wanted for indoor use along in February when they would be frozen solid in their pots; therefore give them a place in the house. If, however, there is no place, make one. Use a few boards, a little ingenuity and large quantities of determination. If mice become too interested in the contents of your bulb closet, give them to understand that the bulbs are not to eat but to look at. Traps and pieces of tempting food flavored with Paris green will give the rodents many valuable ideas.

Examine the bulbs during the early fall and winter, and if the soil has become dry, water it thoroughly. This will probably not need to be done unless the cellar is very dry, but it is best to always be on the lookout. Bulbs will not start into satisfactory growth if the soil is dust dry, and care should be taken to see that it is properly moist. In some cases it may be necessary to place the dishes in basins of water, leaving them there till the soil is well saturated.

Along in December remove some of the hyacinths, etc., to the living rooms. Do not place them directly in the windows, especially if the leaves are not well above ground, but keep them

(Continued on page 21.)

Course of Two Hearts

By
Mary Ella Lawrence

New York, May 26, 1884.

My Dear Brother Herbert:

I am writing this morning, hoping you will allow these few words to convey the deep interest I have in your future life and welfare.

You are soon to leave college, and are aware of the most sacred wishes of our kind Uncle James, who has been more than a father to us since our own dear father died. Now, Bertie, much as I feel how your honest heart will rebel in carrying out his wishes to marry his ward and heiress—a girl you have never seen—still I entreat you to think well before making your decision; not only for your own sake, but for your uncle's, whose whole heart is set on having you and Mellie share his large fortune together; and let me assure you the chain is not so galling, for she has a heart as true as your own, and no man who could win her love would ever regret making her his wife. She will return from school about the twentieth, and uncle wishes you to meet her at his home. He says you might take a few days' recreation after leaving college. Then come and get acquainted all around, for you know, my dear brother, I have hardly seen you since we were left orphan children. Charlie says, tell you our home is open whenever you can come to us; so hoping to see you in a few weeks, I will close,

Your loving sister,
May.

Standing by the open fireside, with one arm on the broad white mantel, his friend and schoolmate watched his dark brows knit in deep thought, as he held the open letter in his hand. Their trunks were strapped, waiting to be carried to the station, Bert to go on his few days' recreation, and Frank Holden to his Southern home.

"Well, Bert, what is it? A few more parental commands before starting on your sentence for life?"

"Yes, that's just it, Frank; from my good sister, who cannot see the manly independence they are trying to rob me of. Why can't they let me go out and win a life for myself. I am very willing Miss Harpler should enjoy all of Uncle James' fortune, if they would but let me go free."

"Well, it may turn out better than you expect," said Frank, grasping his friend's hand, for the trunks had now gone, and the two men had just time for a brief farewell.

Frank's kind fellow-feeling had won the confidence of his chum, and no one knew as well what a noble-hearted fellow he was, or how hard it had been for him to yield to the wishes of this eccentric old man. "Frank" he had once said, "I will marry her on one condition only, and that is that our love for each other grows stronger each day of our acquaintance." And now as he sat silent in the train his friend's face rose before him, and he felt that which ever path in life Bert chose, he would be actuated by noble motives.

Meanwhile Herbert was also thinking over his future existence; now that he had no chum to confide in, it rose more darkly before him. One thing that had puzzled his mind was that he had never heard anything from the young lady as to

what her wishes were in the matter; but he pictured one of a meek, gentle disposition, with not much mind of her own, who was ready to marry any man to win so large a fortune, and the thought brought the fire to his eye and disgust to his manly soul.

There were times when he had felt he must write to his uncle and relinquish all, rather than lend himself to such a miserable arrangement; but the thought of the old man's grief and bitter disappointment in the boy he had aided and loved from childhood, would bring forth his better feelings; and he had waited, hoping that time in some way would bring him his desired freedom.

Speeding on through the deepening twilight, the train soon drew up to a small country station, where a few of the passengers alighted. Herbert had just stepped to one of the waiting carriages, when a light hand was laid on his arm and a low voice inquired the way to the Hartland hotel. The speaker was a woman, middle-aged, her hair tinged with grey; beside her stood a girl about twenty.

"I am going there," Bert replied, quickly: "this is the Hartland carriage; shall I help you?" and he took their light baggage and seated himself beside them.

It took but a few moments to reach the hotel and they were soon in their rooms waiting for the sound of the dinner bell, as the long cold ride had given them a healthy appetite. Seated at the table Bert again met his two fellow passengers, and he was amazed at the beauty and grace of the young girl. She had a soft creamy complexion, with dark brown eyes and hair, and the smiles rippled around her sweet little mouth like sunshine on a fair white rose. He could not keep his eyes from her, and after the ladies had returned to their rooms, his mind would dwell on her sweet, happy face.

The next morning he started out for a stroll down the long country road, past fields where the daisies and buttercups grew in abundance. Whipping the bright blossoms with his stout walking stick, as he went aimlessly on, he wandered into a quiet nook beneath some tall pines, and feeling tired threw himself down on the ground, where he lay thinking of the life which seemed so dreary before him. Soon he heard the sound of bitter weeping quite near; sitting up quickly and looking down into a sheltered ravine just below, what was his surprise to see the young girl whom he had met the evening before, crying as if her heart were breaking. Bert was not used to women's tears, and he stood undecided what to do. Should he go to her aid? Perhaps she was hurt—had fallen on the rocks. With that thought he was soon by her side asking gently, "Are you hurt? Can I help you?"

The handkerchief came down from her red eyes, and the tears were quickly wiped away as she recognized him but Bert could see that some great grief had entered her young life. She held an open letter in her hand.

"I am not hurt" she said, with a faint smile, "only this," pointing to the letter, "has brought

unpleasant news."

"I am very sorry," said Bert, earnestly, for it grieved him to see the dark eyes so full of tears. "Being a stranger, I suppose I cannot offer any assistance."

"No," she said, "no one can help me. I suppose I must do as my guardian wills."

Is he so cruel as to compel obedience, when it makes you so unhappy?"

Yes, I think he will; you see this has been a wish of his since he took me, a little three-year-old orphan, into his home; but I knew nothing of it until today; in this letter he has explained all. I am to marry a man I have never seen."

Bert's heart gave a sudden leap as he thought of this girl suffering the same agony he had endured in the past two years.

"Yes," she said, "I am to go home next week, as he is to meet me there, get acquainted, and be married whether I like him or not, and my reward is to be—a fortune. You see, love and happiness do not count in this arrangement. I don't know why I tell you this," she said, the ruby lips trembling with grief, "but I feel so helpless and alone here with my teacher, and you showed so much sympathy. I fear I have told you too much."

You may have no fear of that," he replied. I shall not betray your confidence. Yours is a sad case, but I cannot believe your guardian will compel you to marry against your will. Perhaps when acquainted you will learn to love this man very much," he said, encouragingly. No," she replied, shaking her head firmly, I shall never love a man who would wed me for a fortune." Then, gathering up her letter, she inquired if he had seen her teacher. She is out sketching somewhere. I wandered on to read my letter and now fear I am left to find my way back alone."

Not if you will allow me to accompany you," he said, as he noticed how neatly the trim walking suit fitted her tall, slender figure. She modestly bowed her consent, and as they walked slowly back through the rich green fields Bert thought her the most beautiful girl he had ever seen. She tried to put aside her grief, as they conversed on the beauties around them, until they came in sight of the hotel; then looking up shyly in his dark, handsome face, she said: We have forgotten to introduce ourselves."

So we have," he replied, laughingly, my name is Herbert Alston, and I hope you will pardon the offense; your grief put all other thoughts from my mind."

"I most certainly will. And I am Mellie Harpler, now, but I can't tell you who I shall be when I return home, for I do not even know the name of the man Uncle James has selected for my husband."

Mellie Harpler! Bert felt as weak as a child; this, then, was the girl he was to wed, for he had known her name when his uncle had adopted her seventeen years ago.

For a moment he was going to tell her all, then remembering she had said, she "could not love

(Continued on Page 19.)



Common Sense.

She came among the gathering crowd,
A maiden fair, without pretense,
And when they asked her humble name,
She whispered mildly, "Common Sense."

Her modest garb drew every eye,
Her ample cloak, her shoes of leather;
And, when they sneered, she simply said:
"I dress according to the weather."

They argued long, and reasoned loud,
In dubious Hindoo phrase mysterious;
While she, poor child, could not divine
Why girls so young should be so serious.

They knew the length of Plato's beard,
And how the scholars wrote in Saturn;
She studied authors not so deep,
And took the Bible for her pattern.

And so she said: "Excuse me, friends,
I find all have their proper places,
And Common Sense should stay at home
With cheerful hearts and smiling faces."

J. T. Fields.

The early apples are in the market and have been for sometime. Many people prefer this first fruit cooked, and windfalls and imperfect specimens can be best utilized in this manner. We give a receipt for pandowdy which is a good method of using them.

FRUIT PANDOWDIES.

The season for apple pandowdy is approaching, and the berry or peach sorts are already lively. The real pandowdy, made after a good old New-Hampshire rule, is seasoned with molasses instead of sugar. When it is done it resembles a big, uncouth sandwich, reeking with juice. To make it after this fashion, put into a deep baking dish slices of juicy sour apples, cover them with molasses and season them with a trace of salt, dabs of butter and cinnamon or nutmeg. Cover the dish with a rich biscuit crust, and bake in a slow oven until crust and apples are done. Then remove the crust without breaking it and put half the apples on a plate. Place over them the crust, turned bot-

MEN AND WOMEN

Kidney trouble preys upon the mind, discourages and lessens ambition; beauty, vigor and cheerfulness soon disappear when the kidneys are out of order or diseased. Dr. Kilmer's Swamp-Root, the great kidney remedy, promptly cures all kidney, bladder and uric acid troubles. Sold by all druggists. Sample bottle by mail free, also pamphlet telling all about it and its wonderful cures. Address Dr. Kilmer & Co., Bidghamton, N. Y.

tom upward, and on it spread the rest of the apples. Serve with rich cream—the skimmed kind, if the dish is to be worthy its ancient and honorable title. Brown sugar may be used in place of molasses if it is preferred. Peaches and all kinds of berries are suited to the process. The apples, if they cook slowly, will turn a rich red. This is one of the characteristics of the genuine pandowdy.

"Spider apple pie" was the primitive term for the pandowdy among early New-Englanders, and the name has survived and is still in use in some parts of the West. The title was taken from the utensil, the spider, in which the pie was formerly made.

Brown Betty, is a New England dish which is especially good, and has the merit of killing two birds with one stone, using up scraps of bread previously dried in the oven, and rolled, and apples which are not perfect enough to bake or stew whole.

In a pudding-dish spread alternate layers of crumbs and apples sliced small. Season each layer with bits of butter, a little sugar, and a light sprinkling of cinnamon, cloves, and allspice ground. When the dish is full, pour over it a half cup of molasses and water which has been mixed together, and cover the top with a good layer of crumbs. Bake for about three quarters of an hour or till the apples are soft. This pudding is very nice just as it is, or with cream, or hard sauce. Sometimes it may be varied by a few raisins scattered through it.

For a dish which is almost a meal in itself we give the following way to make a rice and apple compote.

Boil the rice, half a cup full, after washing it, for about twenty minutes, in a quart of water with half a salt spoonful of salt. Pour off the water, and let the rice steam for twenty minutes or till it is flaky, each grain separate from the other. When your rice is ready turn it into a flat dish and form it in a cone-shaped mound. Cut apples of about the same size in halves, peel and core and stew till tender, but do not let them lose their shape. Drain the liquid off and set them round the dish, against the rice. Take the apple juice they were boiled in, sweeten, add a few drops of vanilla or other flavoring and boil it till it is quite thick, then pour over the rice and set away to cool. A few chopped nuts adds to the taste if sprinkled

through the rice. Whipped cream makes it very pretty and tasty as well.

There are times in cases of sickness when it is very necessary to cool down a room for the patient's relief; below are the simplest ways.

The temperature of an apartment may be lowered by allowing the bathtub to remain full of cold water. Country housewives have long resorted to this device to cool their houses, bowls filled with cold spring water being placed in the different rooms.

A large bowl of cold water for a sick room is often a relief during intensely hot weather and an aid in keeping the air pure. It should be changed two or three times a day.

A wet sheet hung in an open window will cool the air of a room in a short time.

The damp, cool summer induces many cases of intestinal trouble, and a simple and effective preventive is a band of flannel, of the old fashioned red variety, worn next the skin.

We have been asked the best way to remove stains from table-linen, those stains that always follow the fruit season, particularly if there are children in the house. We use javelle water and always have, but we use it personally as judgment is required to see that the articles are not left in it too long.

This useful mixture is sold by most druggists but it is not difficult to make, and is much less expensive when prepared at home. A small teacupful of the fluid added to a boilerful of water will assist greatly in keeping the clothes white and will not injure them in the least. The most obstinate stains of fruit, tea, coffee, etc., on table-cloths and napkins will usually succumb to an application of one part javelle water diluted with four parts of soft water. If the stained article is soaked in this fluid for several hours, and then thoroughly washed and rinsed, it will usually come out perfectly clean and white. Only white goods can be treated in this way, however, as javelle water is likely to fade colors. It is made as follows: Place four pounds of bicarbonate of soda in a large granite or porcelain lined pan, and pour over it four quarts of hot water. Stir with a stick until the soda has dissolved, add a pound of chloride of lime, and stir until this also has dissolved. Allow the liquid

to cool in the pans, train the clear portion through thin cloth into wide-mouthed bottles or jars and cork tightly for use. The part that contains the sediment may also be bottled and used for cleaning the sink, kitchen table, etc.

The constant use of washing-soda about the sink and in dish washing, which is recommended by so many household journals, we consider very bad for the hands. It makes the skin hard and dry and liable to crack. At the best the housewife's hands get rough, and the following simple preparation is a very good one to wash them with. Take the odds and ends of soap which are left after every cake of toilet soap and put them in a little jar; when you have about a cupful add half as much water and simmer them on the stove. When they are all dissolved add a big tablespoonful of glycerine, and stir it well. The result will be a sort of soap jelly which is very healing to the skin, providing that glycerine agrees with you. Some skins are unpleasantly affected by it.

Earth's Gifts.

The golden days of autumn
Have come to us again;
With sunshine on the hillside
And shadows in the lane,
Like torches in the woodland.
The sumac redly glows
To warn us of the winter
And mark the summer's close.
In yards beside the lilies
The dainty asters nod;
While bright are all the meadows
Where blooms the golden rod.
'Tis now the gray old orchard,
The garden and the field,
The bounteous gifts of nature
To weary toilers yield.
'Tis like a land enchanted
So still and calm it seems,
For over joyful nature
Is cast a spell of dreams;
But in the earth's sweet music,
So full of mystery,
There creeps a note of sadness
To mar the harmony.
Up from the earth's dark places
There comes the bitter wall
Of those, who, always striving,
Still ever seem to fail;
Who know not full and plenty,
And make unceasing moan
For help from those more favored,
And get for bread a stone.
And yet such pain is needless
Beneath the fair blue sky;
Enough earth's gifts are wasted
To still the hunger cry:
The unused grain in garners,
The fruits which rotting lie,
The surplus of the garden,
Would turn to song, the sigh.
M. B. Allison.



THE MOTHER'S MEETING

By Victoria Wellman

"God could not be everywhere—so He made Mothers."

Nature.

As a fond mother when the day is o'er,
Leads by the hand her little child to bed,
Half willing, half reluctant to be led,
And leave his broken playthings on the floor,
Still gazing at them through the open door,
Nor wholly reassured and comforted
By promises of others in their stead,
Which, though more splendid, may not please
him more;
So Nature deals with us and takes away
Our playthings one by one, and by the hand
Leads us to rest so gently, that we go
Scarce knowing if we wish to go or stay,
Being too full of sleep to understand
How far the unknown transcends what we know.

Mothers and Heredity.

Sensitive souls have quivered with anticipation of evil certain to come to son or daughter because—well father, uncle, or grandfather, or even great-great-grandfather had been a corrupt man. No one dares scorn the results of heredity whether they be either purely physical or mental. No one doubts heredity's part in diseases or crimes. Still God has given every mother-soul three forces wherewith to combat the ills of heredity. One is to live *pre-natally* for the good in exact opposite to the dreaded evil fate of the coming child. The mere exertion of will, mutely made but powerful, produces results. Mothers often pre-natally injure and warp their children by fears or tense emotions. Forced by cruel circumstances the mother who *needs* to take money unknown, stealthily at night from a husband's pocket would be far wiser to dare anything to obtain it openly, for her feelings of guilt will often be the cause of so-called "kleptomania." The more shame she feels the deeper the impression on the unborn.

The second force is environment. Of this great philanthropists make use and save many born of depraved criminal parents with an unenviable ancestry. Great is environment. Slowly, little by little, it works and as surely as slowly carves too deep for forgetfulness. The safest form of environment is a clean, cozy home with a cheerful-faced mother, and kind words to urge on to unselfishness, purity, and high ambitions.

The third force appears as a link, to the others; it is love, especially the love of an earnest, high-minded, devoted mother. With these forces used persistently (and with prayer) what save a brute can sink below the standard of morality. If in the family vices like drunkenness or lying prevail, let mothers begin early to instill a sense of *why* they are accursed and *how* they spoil lives. Here is a mother's peculiar, sacred

mission. No one can do these things as she can—if she will. Alas! some who would be *willing* are themselves alike ignorant of the causes or the cures.

Let me but do my work from day to day,
In field or forest, at the desk or loom,
In roaring market place or tranquil room;
Let me but find it in my heart to say,
When vagrant wishes beckon me astray—
"This is my work; my blessing, not my doom;
Of all who live I am the one by whom
This work can best be done in the right way.
Then shall I see it not too great, nor small,
To suit my spirit and to prove my powers;
Then shall I cheerful greet the laboring hours,
And cheerful turn when the long shadows fall
At eventide, to play and love and rest,
Because I know for me my work is best.

Selected.

So much interest now centers in the mere name of smallpox we print herewith some selections from North American Journal of Homeopathy.

September is an initial autumn month and its hot days and cold nights at best result in some special need of caution; but when physicians add to this a warning that this epidemic always increases in the autumn, it causes one to feel depressed. Anti-vaccinationists have violently opposed the compulsory vaccination idea but must yield to it or lose public school education for their children. To laymen the array of statistics for and against vaccination is puzzling. At one moment he feels convinced it alone is a safeguard. In another

moment he fears it as a subtle and disguised foe.

Smallpox is an acute contagious disease, specially characterized by an eruption which passes through the successive stages of papule, vesicle and pustule, desiccation and desquamation. Smallpox prevailed in China many centuries before the Christian era. Galen described it A. D. 130-200. In 581 Gregory described a scourge which passed over Southern Europe, which must have been smallpox. Rhages, of Bagdad, an Arabian physician, described it in 900. England was invaded in 1241. It appeared in Mexico in 1527 and in South America in 1554. The disease is believed to have been introduced into North America by the Spaniards in 1649 when an epidemic started in Boston.

All of these epidemics were severe, the victims being claimed by the millions. The first Mexican epidemic is said to have carried off 3,500,000 people. Since Jenner's discovery in 1798 the disease has yearly claimed less victims. The most important epidemic within the last decade was that occurring in Montreal in 1885, and was solely due to the opposition of the French Canadians to vaccination.

Smallpox is a serious disease, and the mortality in different epidemics ranges from 20 to 35 per cent * * * Dr. Preston can recall only one instance out of 450 cases in which vaccination did not protect after exposure to the disease. In 152 houses where the disease appeared it attacked only such as were not vaccinated. The same was noted in an epidemic in the Northwest Territory."

By the way, there would be food for thought for all mothers could we have complete statistics of measles, scarlatina, whooping cough, grippe, and bronchitis. Then, too, we very much

desire more knowledge concerning spinal meningitis and diphtheria.

Mothers of School Children.

Modern methods seem often erratic to those of us who lovingly recall old-time "recesses" and "spelling books." Our children are treated like automations and deprived of the much-needed, much-to-be-longed-for old-time recess.

Relaxation of nerves and muscles was good, would be good, for restless, growing bodies. A marked increase of impertinence and unruliness may be due to intense nerve irritation amounting to a morbid condition not relieved by "gymnastic" exercises, marching, etc.

And the spelling! Do not blame the children for they are simply victims. The way children are crammed with ten subjects at a time when three good solid ones (and shorter hours) are needed, makes it a feat indeed to become a good speller. More—the eyes are constantly misused. "School headaches" are results of strained eyes. Bathe tired eyes often with witch hazel and anticipate too surely the use of glasses ere education is acquired.

The friends who leave us do not feel the sorrow
Of parting as we feel it who must stay,
Lamenting day by day,
And knowing when we wake upon the morrow,
We shall not find in its accustomed place
The one beloved face.

The Mother as Nurse.

How many of you have ever studied on the idea of how much mischief is really done by *worms* which pester not alone the children but torment adults, and often by their effects, cause symptoms so similar to graver diseases that remedies for such are employed. Bowel disorders are often made suddenly serious in September by chilly nights following hot days, by sudden need of fires to warm a damp house, etc. Green vegetables

(Continued on page 14)



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72

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Ginseng Culture.

The ginseng plant, as most of our readers probably know, is a perennial which grows naturally in the woods of a large section of the United States, but for years it has been so diligently and persistently hunted by those making a business of gathering it, that it has practically become extinct in our forests, and, consequently, there is an increasing demand for the cultivated root.

The demand for ginseng comes almost exclusively from China and the market for it is said to be unlimited. It has been estimated that at least \$1,200,000 worth of the dried root was exported last year. What extraordinary virtue the Chinese find in ginseng, is one of the "Chinese puzzles," that still remains unsolved, for the doctors and the chemists of this country consider it of very little medicinal value. The Chinese, however, find in it a sovereign remedy for all the ills that flesh is heir to. Superstition also mingles with their faith in the virtues of the plant, and those roots which bear a fancied resemblance to the human form bring the highest price. Possibly as superstition dies out the demand for the dried root may be lessened, but the Chinese are very conservative, and those who are in positions which should enable them to speak with authority say there is no danger of an over-supply for years to come, if ever.

Ginseng has been exported from America to China for more than one hundred fifty years. For the last fifty years the supply of the wild root has been diminishing, with a consequent increase in price. It is only a question of time when the native plants will be completely exterminated, unless stringent laws are enacted and faithfully enforced, and the market will have to be entirely supplied by the cultivated article. The cultivated roots are said to be more even in size, better in quality, shrink less in drying, and bring a better price than the wild ones.

For a number of years a growing interest has been manifested in the cultivation of ginseng. Dealers in the plants have sent out circulars giving in glowing terms the immense profits sure to be made by growers. The price of plants and seeds is high, but many people have been induced to undertake its cultivation, and no doubt many more would do so could they be assured that no undue amount of labor is necessary, and that they could reasonably count on success. That its cultivation is entirely practicable has been demonstrated in different parts of the country. The United States Department of Agriculture has issued bulletins giving the commercial history of the plant and reliable instructions for its cultivation, and a number of State Experiment Stations have also published articles on the subject.

The ginseng plant is peculiar and its growth slow. The first year it makes but about two inches growth; the second year it may attain a height of four inches; the third year it will probably grow to eight inches in height and bear an umbel of inconspicuous, yellowish-green flowers. These are soon followed by the fruit which develops rapidly, remaining green until the middle of August, when it begins to turn red, becoming a bright scarlet in September and ripening fully about the middle of that month. The berries are edible and taste like the root; they are about the size and shape of small wax beans and usually contain two seeds each, but occasionally three.

The stems die down in the fall, leaving a mark on the rootstock which indicates a year in

the life of the plant. Plants have been dug in the woods which bore marks of seventy years' growth. It is not profitable, however, to keep cultivated roots more than ten years, as they deteriorate in size and quality after that time. The roots should be dug in the fall, after growth has ceased.

As the growth of the plant is so slow, one can not reasonably expect to make a fortune at once in its cultivation. To make a sort of "by-product" of it for a few years seems a sensible way in which to begin its cultivation, particularly for those not able to invest largely at first.

About fifteen miles from Rochester, two small beginnings have been made in the cultivation of ginseng with very promising prospects of success. The methods of cultivation followed are simple, entirely feasible for anyone, and have been carried on at almost no expense. Experience has been gradually gained, and intelligent observation of natural conditions has enabled the growers to



AMERICAN GINSENG.

reach moderate success with but small loss of plants or seed. Some account of the methods followed may be of interest, or of service, to those contemplating the cultivation of the plant, being the results of practical experience.

There has not been much difference in the methods followed by the two cultivators. Natural conditions have been imitated as nearly as possible: the soil made rich, and kept moist, and shade given; the latter a prime necessity.

Mr. Embling was the pioneer in the cultivation of ginseng in his locality. About nine years ago he transplanted some roots from the woods to his garden, but no particular care was given them for a couple of years. They were planted under apple and plum trees, which afforded considerable shade but not quite enough, as the plant will not flourish if exposed to the sunshine. To more nearly imitate natural conditions, poles about four feet high were set up and a covering made of the boughs of evergreen and other trees. Mr. Embling considered at that time that this height afforded a free circulation of air, and that the moisture in the soil would not evaporate as quickly as it would if the covering were higher up; but this season

has been so wet, he is contemplating raising the cover somewhat. Some cultivators allow weeds to grow and shade the plants, but Mr. Embling thinks this poor policy as they tend to absorb the moisture and fertility of the soil, and thus do more harm than good. He has several beds of plants, of different ages, from one to four years. Some were transplanted from the woods, others obtained from sowing seed. The soil is ordinary garden mold, highly fertilized. Hen manure is recommended, or phosphate, the plants responding vigorously to liberal applications of the latter.

Plants should be set about six inches apart with the crown not more than an inch below the surface. If the root is very long it is best to put it in the ground in a slanting position. If set too deep the root will decay. It is a good plan to mulch the beds in the fall with a covering of dirt from the woods. The ground is kept mellow by frequent cultivation.

Ginseng seed usually requires a year and a half to germinate, though it sometimes does start in less than that time. If planted as soon as it is ripe in the fall, it will remain dormant until a year from the next spring. It is necessary that the seeds should be kept moist; if allowed to become dry they will not germinate.

To keep them moist they should be placed in the earth as soon as ripe. Mr. Embling tried planting in the woods, but worms and birds destroyed so many of the seeds that he now plants them in a wooden box. The seeds can be thoroughly mixed with earth which has been carefully sifted to make it fine and remove worms, etc., or can be stratified in alternate layers of soil and seed. The seed ripens unevenly, but it can be gathered as it arrives at maturity, placing at once in the box of earth. A layer of soil should be placed over the seeds, the box covered with fine wire netting and buried in the ground, the top even with the surface. The seed should be allowed to remain a year in this condition, and then be sown in a carefully prepared bed. The next spring the seeds will germinate and the plants appear. To separate the seeds from the soil in the box, a moderately fine sieve can be used to advantage. This method of storing the seed is much preferable to planting it at once in the ground, where there is great risk of its drying out or of being destroyed by worms.

The seedlings should be transplanted when two years old. The plants sometimes bloom when two years old and bear a small amount of seed, but they do not usually blossom until they are three years old and then produce seed in a considerable quantity. The seed sells at a good price, and it is claimed there is always a market for it as well as for the roots. Plants four and five years old bear from twenty to eighty seeds each. Mr. Embling has had from 5,000 to 6,000 seeds from his plants some years.

From a bed eight feet square and containing about two hundred roots Mr. Embling has realized from \$16.00 to \$22.00 a year, the price received varying from \$5.50 to \$5.60 per pound. This was from plants four years old which were taken up, divided, the large roots sold and the smaller ones replanted. In two years time the small roots produce good-sized plants which bear a quantity of seed. Roots four and five years old, if properly cultivated, will weigh half a pound when green; in drying they lose about two-thirds in weight.

To cure the roots, Mr. Embling first washes them clean, then places them in a cool, dark room where there is a good circulation of air. In this manner of curing it takes at least a month to dry the roots sufficiently for market. When cured they should be kept in a dry place.

(Continued on Page Eighteen.)

THE BRIGHT EYED CIRCLE

Conducted by Stella M. Alderson

The Tale of Polly Wog-Wog.

This is the tale of Miss Polly Wog-Wog—
Who lived in the midst of the country of Bog.
Of brothers she numbered one hundred and four;
Of sisters, two hundred—or possibly more;
No matter. Whatever the total might be,
She never was lacking for playmates you see.
So hide-and-go-seek and pom-pom-pull away
She played in the mud and water all day;
For water and mud were the young Wog's de-
lights—
They frolicked there, and dined there, and slum-
bered there nights.

Miss Polly was vain, though we hardly would
call

Her face or her figure attractive at all.
Like most of her family, be it here said,
She was seven-twelfths tail and the rest of her
head.

Yes, Polly was truly exceedingly plain—
But her tail was the thing that was making her
vain!

Her father cried, "Shame!" And her mother
cried, "Fie!"

Her brothers said, "Goose!" And her sisters said,
"My!"

And dreadful misfortune would happen, they
vowed,

To a girl who was acting so silly and proud.

But the more they entreated, and threatened and
warned,

The more their advice and their efforts were
scorned.

And Polly went wiggling and wiggling about—
Such airs! you would think she was some
speckled trout!

But, oh! she encountered a terrible fate,
Which, just as a moral, I'll briefly relate:

She kept growing ugly! But that's not the worst;
She swelled so that one day she suddenly burst!!

And, alas! she was changed to a common green
frog.

What an end to the tale of Miss Polly Wog-Wog!
Selected.

My Bright Eyed readers I wish to
call your attention to the "Speak
Kindly Club" conducted by the The
"Ledger" monthly and which in its
purpose is much like the Heartsease
Club which I presented to your atten-
tion in June. The Secretary asks the
young readers to send in a new verse
on Kindness clipped or copied from
something they have been reading,
to head the department each month.
And—she asks for letters from the
young readers and her readers write
them cheerfully. It is not any differ-
ent class of readers than that of our
little readers of Vick's Family Maga-
zine. The letter given here is so full
of the brightness of a kind little
country maiden we copy it entire.
Her mamma must feel proud of her.
As you know, Aunt Stella loves birds
and flowers and loves to hear or read
of anyone who is kind to them or
studies instead of kills them.

Here is a sweet, simple little letter:
Secretary of the Speak Kindly Club:

My little sister and I were delighted
to read about the Speak Kindly Club
and will be glad to join it. Mamma
talks a great deal about being kind
to everyone; I am afraid we are cross
to each other when there is no cause.
Maybe the badge will help us to re-
member to speak kindly.

We each want a pin and inclose
eight cents in stamps for them.

I don't believe I can think of any-
thing to write about. We live right
in the country and don't have any
other little girls to play with. We
are taught to be kind to everything.
We feed the birds all through cold
weather; we have so many birds
right around the house—partridges,
redbirds, robins, bluebirds, and lots

of little birds live here all winter.
Now they sing for us all day long.

Mamma says I may tell you what
we do for some little girls who live
on the place and have not many things
to play with. My little sister and I
for the past three years have made
them things to trim a tree at Christ-
mas. We make chains of colored
paper, cornucopias, colored paper dolls
—I mean pictures cut from fashion
books and flowers cut from flower cat-
alogues—these make their tree look
so nice. They never had a tree be-
fore and it makes them so happy.
We never waste any cards or pictures
but take or send them to these little
children. This seems very little to
do, I know, but we love to make them
happy all we can.

I would love to tell the children
sometime about a lamb we raised this
winter, also about our little dog,
Nancy. I hope a great many will join
the Speak Kindly Club.

Yours sincerely, Wee-Wee.

Then follows her address. Now
who can fail to see how naturally un-
selfish this little maid is; or that to
think and to act kindly are part of her
desire as much as to speak kind words.
Unconsciously her letter reveals the
loving mother who advises her. I
prophecy a lovely woman will grow
from the present little seeker after
kindness. What a real heartsease she
must be—little "Wee-Wee."

"Be careful what you sow, boys!
For seeds will surely grow, boys!
If you plant bad seed
By the wayside high,
You must reap the harvest bye and bye.
And the boy who sows wild oats today
Must reap wild oats tomorrow."

A Very Little Story for Our Very Little Bright Eyes.

"O, Grandpa," said Charlie, "see
how white the apple trees are with
blossoms."

"Yes," said Grandpa, "if the tree
keeps its promises there will be plenty
of apples. But if it is like some boys
I know of there may not be any."

"What do you mean by a tree keep-
ing its promises," asked Charlie.

"Why," said Grandpa, "blossoms
are only the tree's promises, just as
the promises little boys make some
times are only the blossoms of their
honor. Sometimes the frost nips the
blossoms both on the tree and in little
boy's hearts."

"I see," said Charlie; "then you
think when I promise to be a better
boy I am only in blossom! Well, I'll
try, Grandpa, not to let the frosts nip
my blossoms."

The Birds, Animals and Flowers.

N. B.—Under this head Aunt Stella
wishes hereafter to use short stories or
anecdotes found in any paper you are
reading and to print in the "Roll of
Honor" the name of her very bright-
est boys and girls; number one being,

of course, the leader. It is worth
while, boys and girls, to win an honor
without any prize with it. Only real-
ly smart people care for such rewards,
I know, for some are too selfish to even
try to do anything unless it is "awful
easy" and where there is a prize.
Then, of course, others try too for the
"awful easy" prize and as only one
can get it the rest feel sore and some
are "pouty" and never try again.
Dear me!

Now you will find a list of maga-
zines and books written about birds
and animals (which are splendid read-
ing—better than fairy tales, or rather

are true fairy tales) and I believe our
good publisher will try to arrange some
special offers for those who, if only to
please Aunt Stella (who feels so sad
because her boys and girls do not join
in and help her make our page the
brightest one in existence) read up on
nature's children and send clippings
or copies of stories or facts along these
lines and earn honorable mention. So,
you see, there may be a prize to re-
ward you. I ask all of you to send a
postal for a sample copy of the maga-
zines named. The list will be in-
creased. The books are every one a
joy and delight.

(Continued on Page 15.)

VICK'S WINDOW GARDEN

Here is an opportunity for you to make a beautiful addition to your Window Garden, if you already have one, or the chance of a lifetime to start one if your house is without it. The Window Garden is not a luxury for the wealthy alone, but a source of great pleasure and enjoyment to everyone. In view of this fact, the publishers of VICK'S FAMILY MAGAZINE propose to give their readers a splendid collection of seven plants as follows.



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ering Maple). The well-known greenhouse
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very commonest treatment.

2 Calla, Little Gem—A dwarf variety of the
old Calla, ten to twelve inches high; free
bloomer.

3 Rose—The Rose must always be a promi-
nent object in every worthy garden. Its culti-
vation is so simple that no excuse can be offered
for its neglect, since it is, of all flowers, the one
most beautiful, most highly esteemed, and
around which clusters a wealth of sentiment,
history, and poetry.

4 Flowering Begonias—This beautiful class
of plants is deservedly popular. Their beauti-
ful foliage combined with graceful flowers and
free-blooming qualities, makes them desirable.
As pot plants for winter decorations they have
few equals.

5 Primula Obconica—Fine for the house,
needing little care. A profuse bloomer, bear-
ing on long stems heads with 10 to 15 flowers.
The flowers are white, occasionally shading to
lilac, and have the true primrose fragrance.

PLANTS FOR FOLIAGE.

6 Ferns cannot be dispensed with in elabo-
rate decorations for the house. They are as use-
ful in producing a graceful effect as any plants
of which we know. Do not crowd them together,
but give room for the development of the
fronds; their growth is rapid, and they soon
double their original size.

FOR THE HANGING BASKET.

7 Oxalis—An interesting class of bulbs, desir-
able for winter flowering in pots, producing an
abundance of bloom. The leaves resemble the
clover leaf and plants require no special care.

The illustration is from a photograph taken of the above collection just as it appears before
the plants are packed for shipment by mail and with proper treatment (Directions will be found
in book described below) will be just as beautiful as they are represented as soon as potted.
With this collection, we also send you "The Window Garden, How to Make it a Success," by



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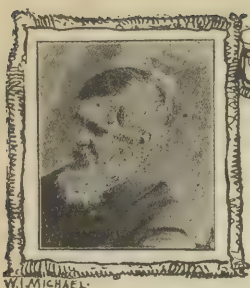
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FRUIT NOTES

By Prof. H. E. VanDeman.

A SHORT HISTORY OF AMERICAN GRAPE CULTURE.

In compliance with the request of a reader I will briefly give some of the points in the history of grape culture in America.

One of the first things done by the pioneers of the settlements in New England, at Roanoke Island, Jamestown, St. Augustine, and wherever wildgrapes were found, was to make wine of them. Not finding it equal in flavor to that made of the choice grapes of the old countries, they planted cuttings and attempted to produce fruit of the best quality here. William Penn planted one of these vineyards near Philadelphia in 1683, and many other similar attempts were made by the French at their settlements in Virginia and in the Mississippi valley. In every case the vines failed to flourish, for some unaccountable reason, which we now know to have been the fungus diseases.

The first successful American grape culturist was John James Defour of Switzerland, who was passionately fond of growing this fruit, and who came over in 1796. He at once set about seeing what had been done and soon found that all the vines so far set were a failure, except a few that were growing near Philadelphia. He secured cuttings from these and in 1799 organized a company with a capital of \$10,000, to plant a vineyard near Lexington, Kentucky. Henry Clay was one of the stockholders. After three years trial this attempt failed and Defour did the wisest act of his life, by turning his attention to the cultivation of our native grapes. His second trial was at Vevay, Indiana, in 1802, with a variety of the wild fox grape, *Vitis labrusca*, found near the Schuylkill river before the Revolutionary war and planted as an experiment near Philadelphia. It was called the Cape grape and had several other names. This first successful American vineyard was mostly planted with it, but it has long since been abandoned for better kinds.

The next great step was by the introduction of the Isabella and Catawba shortly before 1820. They were both chance seedlings that, perhaps, came of accidental cross-pollination between the choice grapes of Europe and the wild *labrusca* or fox grape. The Isabella is supposed to have originated in South Carolina and Mrs. Isabella Gibbs brought it from there and planted it in her garden in Brooklyn, New York. William R. Prince noticed its good qualities there in 1816 and named it Isabella in honor of Mrs. Gibbs and propagated and introduced it to the public soon after that date. It has had a long and useful life, being yet found in some vineyards.

The Catawba probably originated near the Catawba river in North Carolina, but it never came to public notice until John Adlum of Georgetown, in the District of Columbia, found it growing and bearing well on the premises of Mrs. Scholl, a tavern keeper at Clarksburgh, Md. She probably got cuttings of it from some traveler from the South, but history is not clear on this point. Adlum planted it in his vineyard in Georgetown in 1819 and soon after introduced it to the fruit-loving public. It has had a wonderfully prosperous course, and is now almost without an equal as a late red grape.

The Delaware and Concord were the next two varieties to force themselves upon public attention. Both are thought to be accidental seedlings. The Delaware is supposed to have either come up as a seedling on the premises of a Swiss immigrant, Paul H. Prevost, at Frenchtown, New Jersey, or, possibly, to have been brought there from his European home; for the earliest trace of it, so far as known, was there in 1850. It was first brought to public attention by Mr. A. Thomson of Delaware, Ohio, a newspaper editor, in 1855. His townsman, George W. Campbell, propagated and sent it out far and wide under the name Delaware. It is, without doubt, a cross between the foreign species and one of our natives.

The Concord is a purely native seedling and has proved itself to be the greatest of all American grapes. It was found wild about 1850 near the home of Ephraim W. Bull of Concord, Mass., and the original vine was taken by him to his own garden, where it is yet in bearing. In 1853 the fruit was first shown to the public at a meeting of the Massachusetts Horticultural Society and there named Concord. From it have come many seedlings of mixed and unmixed parentage, which, together with the old variety, compose the bulk of the vineyards of all the region east of the Rockies.

The first modern vineyard of importance was planted near Cincinnati, Ohio by Nicholas Longworth about 1830, of Catawba vines, for the purpose of making wine. This was followed by others, until the hills along the Ohio river near Cincinnati were covered with vineyards. But mildew and grape rot devastated them. Along Lake Erie and in the Hudson valley there was better success. Western New York has become, within the last twenty-five years the greatest of all the grape growing sections this side of California, especially in the Chautauqua region and on Keuka and other small lakes a little further east.

Grape growing in the South is on the increase. There are some sections in North Carolina where there are thousands of acres grown for the Northern markets. Florida is the first in season and grows as many grapes as these markets want while the strawberry is yet plentiful. But California is the greatest and best of all the grape growing regions of America. There the most luscious varieties of the Old World succeed equal to those brought home in triumph by Caleb and Joshua from Eshcol. Single clusters have been grown in California in the open vineyards that weighed from ten to fifteen pounds, and those of five pounds are quite common. Raisins of the best

quality are produced by the train load, and the importations are almost stopped. More than 5,000 car loads are produced annually. The wine industry is of similar proportions, and the shipment of grapes in the fresh state to the East is quite heavy. Truly America is a land of grapes.

H. E. VanDeman.

THE FALL WEB WORM EASILY DESTROYED.

From midsummer to early autumn, the conspicuous, unsightly webs of the fall web worm are to be seen on a great variety of fruit, shade and ornamental trees. These webs are made by small worms, which hatch from eggs laid on the leaves early in summer by white moths. Beneath the tents the worms feed upon the leaves, eating off the surface, but not the veins. They are, when young, of a pale yellow color, sparsely covered with hairs, and have a black head and two rows of black marks upon the body. They grow quite rapidly, and enlarge their web as they develop. By the time they are full grown, a single lot of them will destroy the foliage of a good sized branch, making it very conspicuous on account of the webby covering.

When the feeding period is finished the larvae leave their nests and descend to the ground, where just beneath the surface, or under some suitable shelter above the surface, they spin slight silken cocoons, within which they transform. In the more northern states there is but one brood per year, but further south there are two. If done in time, it is an easy matter to cut off the webs and burn or crush the larvae. This should be done as soon as the webs are seen.—*American Agriculturist*.

NIAGARA

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Advertising. Our magazine is recognized as one of the most profitable for general advertising. Guaranteed circulation 50,000. Rates 20c an agate line. Fourteen agate lines to the inch.

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DANVILLE, N. Y. 62 STATE ST. ROCHESTER, N. Y.

Entered as second-class matter at the Danville, N. Y., Post Office.

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If you have children } VICK'S
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EDITORIAL.

I think the magazine is lovely and wish you great success.—Mrs. S. W. H., Maplewood, Mo.

I have taken the magazine for some time and enjoy it very much.—H. F., Rochester, Mich.

"Had I two loaves," said Mohammed, "I would sell one and buy hyacinths to feed my soul."

I have always greatly appreciated your magazine and wish you continued success.—Mrs. J. S. D., Dallas, Texas.

Don't forget that the fall is the season to plant bulbs. Some do quite forget this and in the spring miss the pleasure that a bed of hyacinths or tulips brings.

I will accept your offer of three years for one dollar, for I really like the little paper.—Mrs. P. S., Roxbury, Mass.

"Human longings are perversely obstinate, and to the man whose mouth is watering for a peach, it is of no use to offer the largest vegetable marrow."—George Eliot.

Enclosed find one dollar for your valuable magazine for three years. It is excellent and very instructive.—Mrs. J. L. H., Seward, Neb.

If you have no flower beds, plant some crocus, scilla, chionodoxa, or tritelia bulbs in the grass on the lawn. Even some of the daffodils do well planted in this manner, also snowdrops.

I really have not had the time to read or write during the summer. Am very thankful for sending your valuable paper for all this time at your risk. I enclose money for arrears and renewal.—R. E. F., Broad Brook, Conn.

Sow seed of morning glory in a pot or box for winter blooming. The flowers will be much smaller than when grown out of doors, but they usually remain open all day and are bright and pretty. The seeds can be sown as late as October.

I consider the magazine among the best, and have, through a long experience, found the Vick Company upright and honorable in all their dealings.—Mrs. W. B. P., Mahopac Falls, N. Y.

In many gardens there are old shrubs which it is hard work to make up one's mind to dig up and throw away. In such cases, the best shoot should be selected and all the rest cut away. Dig about the plant and remove most of the old roots. Enrich the soil and make it light and mellow. In nearly all cases you will obtain a new, healthy plant in this way with but little trouble and no expense.

Enclosed find \$1.00 to renew my subscription to *Vick's Magazine*. We could not do without it.—M. A. W., Rome, N. Y.

Be generous with your flowers. Don't you know that there are those to whom the gift of a single blossom would bring pleasure! Don't let a visitor leave your garden without some of the beautiful flowers which it contains. Even sacrifice some of your choicest ones occasionally; it will be good for the plants and for you, too. What is the use of having a garden if you do not share the pleasure with those less fortunate.

I value your magazine highly; it is entertaining and full of useful information.—Mrs. L. F. B., Libertyville, Maine.

A subscriber requests a list of shrubs and hardy perennials suitable for planting in beds between the curbstone and sidewalk on residence streets. The plants and shrubs named in the following list are all hardy and can be recommended for such purpose. Of course the list does not include all that might be named.

SHRUBS.

Berberis Thunbergii	Spiraea Arguta
" Purpurea	" Thunbergii
Rhodotypos kerrioides	" Van Houttei
Rosa rugosa	" Billardi
Forsythia Fortunei	" Bumala
Deutzia crenata flore pleno	" Anthony Waterer
" gracilis	" Kerria Japonica
" Pride of Rochester	Syringa
" Lemoinei	Weigela
Cornus Mas	Lilacs

HARDY PERENNIALS.

Hydrangea paniculata	Hemerocallis flava
Yucca filamentosa	Hibiscus Crispum Eye
Peonies	Coreopsis lanceolata
Perennial Phlox	Delphiniums
Rudbeckia Golden Glow	Anemone Whirlwind

ORNAMENTAL GRASSES.

Erianthus Ravennae	Eulalia Japonica zebrina
Eulalia Japonica variegata	" gracillima univittata

Editor *Vick's Family Magazine*:

I want to tell you of the pleasure and satisfaction with which I read and re-read the excellent editorial article in the June issue on Pyrethrums.

I have a thick luxuriant row of them now (June) in full bloom and prize them highly. They are five years old and have never been divided or mulched in summer or protected in winter. If they were properly divided and potted just a little they would cover a large space with a perfect wealth and blaze of color.

I have grown Pyrethrums successfully for twenty-five years and have often urged the leading commercial plant growers to persistently boom their cultivation on their showiness, hardness and general desirability. In spite of their abundant good qualities the demand for them has not increased to any appreciable extent. Miss Beckwith's article in their favor is timely and not too enthusiastic, and should attract attention to this neglected but beautiful hardy garden perennial.

My opinion is that our climate is more favorable to their cultivation than that of England. They prefer a well drained location.
J. Yates Peek,
New York.

Plants of *Rudbeckia Golden Glow*, in this city, are being troubled by an insect which completely covers the upper part of the stalks. These insects are called the Cone-flower Aphis, or Aphis *Rudbeckia*, and are described by Dr. J. A. Lintner in the Ninth Report of the State Entomologist of New York, for the year 1892. The insects are red in color and very large for aphids.

The following letter from Professor V. H. Lowe, Entomologist, State Agricultural Experiment Station, Geneva, N. Y., in regard to plant lice, will be of interest in this connection. Whale-oil soap, as suggested by Professor Lowe, has proved an effectual remedy, when thoroughly applied.

Editor *Vick's Magazine*:

The insects accompanying your letter of July 25th prove to be a species of the large group of insects known as plant lice. The specimens which you sent are among the largest that I have seen. A related species, the individuals of which are smaller in size, works upon chrysanthemums.

The plant lice are provided with short sharp beaks by means of which they suck the sap from the tissue of the plant. Their food consists entirely of the sap. They do not devour any of the tissue. The punctures are so small that they are not readily seen, but where a large number of the plant lice are congregated the effect of these numerous little pumps is soon shown by the withering of the tissue. As a rule they congregate on the under surface of the leaves or upon the tender tips of the branch or twig and when numerous will cause the leaf to curl and wither and sometimes kill the tips. In this way they do much injury. Plant lice secrete a clear sweet liquid known as honey-dew. Ants are very fond of this liquid and will often be found associated with the plant lice. They are there for the purpose of feeding upon the honey-dew. If you will watch them carefully you may notice that the ants will often touch the plant lice gently with their feelers, which seems to stimulate the flow of the honey-dew. In some instances ants are known to carry the plant lice to their nests in the fall and keep them there till spring when they carry them back to the host plant.

During the summer both winged and wingless forms of these insects will be found. It is supposed that the wings are produced when food becomes scarce, thus providing a way for the insect to migrate from one plant to another, as the winged forms fly readily. In the fall eggs are produced which live over winter, hatching into plant lice the next spring.

The usual treatment for plant lice is to apply a spray consisting of a solution of whale-oil soap, one pound to about five gallons of water. Usually this will kill them readily. It is important, however, to make the application before the insects have caused the leaves to curl, as it is then difficult to reach them with a spray.

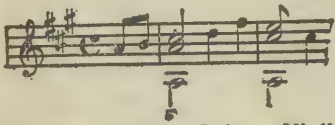
Yours truly,
V. H. Lowe.

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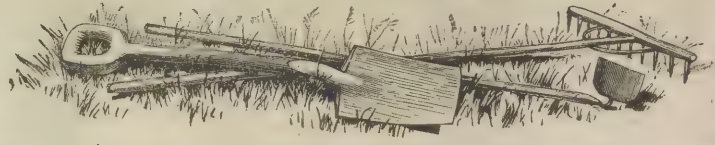
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In the Garden

CONDUCTED BY JOHN ELLIOTT MORSE.

September doings.—The month of golden days brings new duties no less urgent than those of the earlier days. With these new duties comes the pleasure of reward for the labors of the past. The fruits of the well-tended garden are surely rich reward for the toil of sowing and tending. But we must interrupt the banqueting long enough to say that much of next season's success depends upon our well-directed effort from now until winter. As fast as vines of any description have matured their crop, they should be removed and burned up, else they become the hiding place and habiting ground of many insect pests. This is especially true of cucumber, squash, melon and pumpkin vines.

Much of the garden rubbish, in fact nearly all of it, may be utilized in the compost heap; but lime or ashes should be plentifully used to insure the destruction of all insect eggs or larva. Many of the crops will be past hoeing or culture in any way, but the weeds do not take any vacation, so when cultivation would be injurious to the crops the weeds had better be pulled by hand, rather than allowed to go to seed. Do not work in, or handle beans when vines are wet with dew or rain. The cabbage ground should be worked frequently to keep the soil loose and free from weeds. Do not hill them up, but keep the surface level, unless upon ground where water will stand. They like the hot days and cool nights, to develop and harden the heads. An occasional sprinkling of fine table salt will aid much in this work, besides keeping them free from cabbage worms. If the weather becomes dry, work the soil more frequently whenever the crops will allow. Do not work deeply. Keep the surface level and fine, as it checks evaporation. There is no more opportune time to use the manure than when it is fresh. Mixed with whatever clean litter accumulates and spread around the growing crops wherever possible, it will be valuable as a mulch in resisting the drouth, and the soil will get all the benefit. Many more odds and ends might be suggested, but with eyes wide open all the time they will appear to us, and if done now it will assist in the hurry of spring work.

ONIONS.

The young onions for early spring use must be started this month. In more southern localities, a later time, even into October, will do. Select rich soil where water will not stand during winter, and be sure that it is

rich. Spade or plow deeply and work the soil until loose and mellow. Sow evenly over the surface two or three quarts of air-slaked lime to the square rod. Work it thoroughly into the soil. A peck of wood ashes to same area will be even better. Either will kill the worms, and add to, or assist fertility. The small sets are used for planting. If they are in clusters pick them apart. Open drills, three inches deep, ten or twelve inches apart. Drop the sets about two inches apart in the drill and cover, firming the soil over the sets. A small space will supply the family needs during the spring. A surplus, even if quite large will always find ready sale.

CELERY.

Handling or bleaching the celery will be in order this month and later on. If it has been set in beds for self blanching, nothing farther can be done more than to set up boards around the outer edges of beds. If the plants were set in open beds, liquid cow, stable, or hen manure will be beneficial, as rapid growth is essential to crispness. Care should be taken to get it down on the roots, avoiding wetting the tops as much as possible.

If blanched with boards, apply a liberal quantity of the liquid manure before placing the boards. Trench along the rows sufficiently to prevent the liquid from running away from the plants. Set the boards edgewise (they should be one foot wide) and hold in place by driving stakes on each side the boards. Slats nailed across the top of boards, one at each end, would do just as well. "Handling" is only a term for bleaching with soil, and must be done from time to time as the stalks grow. It is easiest done by two persons, one gathering and straightening up the stalks in proper place while the other hills up the plant with the hoe. The stalks should be carefully gathered up, holding them well together to avoid the soil getting in among the stalks, which causes them to rust and rot. The ridges must extend well up to the leaves each time the crop is handled. A thorough dressing with the liquid manure before any work of hilling is done will be beneficial. A very small space in the cellar will grow a fine quality for winter use. The clumps for that purpose should not be blanched out of doors.

WINTER RHUBARB.

Before speaking of the winter grown crop, a letter from one of our readers will be of interest, especially to many in the South.

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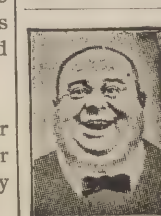
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"I have been waiting to note progress of pieplant. Have three small roots that still live. I put them in a very shady spot so as to keep them from our semi-tropical sun. The growth is not as vigorous as I would like. This is the first year here and am allowing the roots to develop if they will. I water them every evening, and have on top a dressing of stable manure. The insect period has been overcome I think. I tended them daily when first set out and killed lice on the under side of leaves. I think the giant, light-colored variety could be acclimated here, and if so would become a boon to the South. Few people here have any sort of idea as to what rhubarb is. Do you suppose the Agricultural Department at Washington, or some other department, might send me some roots to try its introduction here? I think the largest varieties would be stronger to resist local conditions. In every case the roots ought to be planted in a cool shady spot. I would be pleased to hear further from you."

MOBILE, ALA. Mrs. J. M.

ANSWER:—If rhubarb can be accli-

house cellar is given. Any little corner of the house cellar, or any shed or root cellar from which frost and light can be excluded will answer. A few roots will furnish a continuous, family supply during the entire winter, and the trouble and expense will be next to nothing. Grown in a commercial way it is very profitable, and is one of the very best paying garden enterprises for winter. (See illustration below.)

Shut off a corner of the cellar, by tacking an old carpet or blanket to the floor above, and allow it to fall clear to the floor or cellar bottom so as to exclude all light, and keep the heat confined. Just before the ground freezes up, dig out the roots, leaving all the soil possible upon them. Leave them on top of ground until they are frozen, (the harder, the better.) Trim off all projecting prongs with a sharp spade, and set the roots snugly together on the cellar bottom within the little room whose sides are enclosed by the carpet or blanket. If the clumps thaw out before they are placed in cellar it will do no harm; only make sure they have been frozen be-



RHUBARB GROWING IN A CELLAR.

mated there, as we believe it can, it surely would be "a boon to many." Although a native of the far North, it has been gradually acclimated in France and England, and in this country it grows luxuriantly in the higher altitudes of North Carolina. I do not know that there would be any difference between the large and small varieties in their heat resistant qualities. It is probable that it can be grown more safely from the seed, than from roots grown farther North, and transplanted in your location. Experiments at Raleigh, N. C., have not been very encouraging but I believe it will yet succeed. Try sowing the seed this fall as soon as the hotter weather is past. Sow in cool and sheltered spots so that the plants may get the benefit of the winter weather. I think if plants can be carried through there until seed can be obtained from them, the problem will be largely solved. A new variety originating in California will, I hope, meet the conditions of the South, and information will be given our readers just as soon as possible.

Now as to winter growing. To show how easily the work may be done, an illustration from my own

fore attempting to force them. Even up the clumps so they will fit closely together, and fill all spaces between with good soil. Start them growing whenever you like, by setting a low lamp or lantern right down close to the roots. It will require fifty to sixty degrees, or more of heat. The higher temperature will give a quicker growth, but the lower, will give longer yield. It will help the crop to soak the bed with water occasionally if it seems to become dry. Wash water is preferable. If no other place is available, put two or three roots in a box or barrel and let stand near the kitchen range. Cover it to exclude light, and in three or four weeks you can begin to gather the stalks. When they get spindling remove the roots to some outside shed, put new ones in your box or barrel and renew your supply. In the spring divide the forced clumps and set in the garden, give them good culture and in a couple of years they may do duty again. The work is so simple and easy that every family in the land should enjoy the luxury of fresh rhubarb the winter through. If the product be grown in box or barrel near

(Continued on Page Fourteen.)



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Nerve-Force.

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Any reader of Vick's Family Magazine, who is afflicted with cancer or has friends thus afflicted should read my advertisement on page twenty-one of this issue and answer it. I can drive despair away and make you happy once more. Dr. E. M. Boynton.

\$50 For a mattress that we challenge the world to equal. Eureka Mattress Co., Franklin Grove, Ill.

WANTED: A man who understands the advertising business and the seed business, with several thousand dollars in cash, to take interest in and entire charge of established retail and mail order seed business, which comprehends the making of catalog covering retail counter trade and mail order trade with Families, Southern Truckers, Market Gardeners, Farmers, Florists Flower Seeds, Bulbs. A Plant department could be added to advantage.

Address, H. E. Lesan Co., St. Louis.

In the Garden.

(Continued from page thirteen.)

the range no other heat will be required.

AT THE FAIRS.

Fair time is near at hand and we earnestly hope that many of our readers will attend. A properly conducted fair is an excellent educator for young and old. Do not be satisfied with merely attending, to see what others have done, but see what you can do to add to the interest. In your own garden may be growing vegetables which if attractively put up would carry off prizes. If they failed, the failure might be a forerunner of future success. Many men and women, yes even boys and girls too, are earning money by exhibiting at the fairs. Get the catalogues of those within reach. They are to be had for the asking; (apply to secretary of the association) they will give the classes, with prizes offered, rules of entry, etc. Look over the growing vegetables, give the promising ones extra care. Something on your fruit trees may be just what you desire. Some of your fancy work might prove the very best thing in its class. You will find something that ought to be there, so take it and go. See what the rules of entry say regarding package, and get the very daintiest to be had. If you prepare vegetables of the root varieties, dry them in the shade with very little light. Polish them with a soft brush until smooth and free from dirt, but never wash them. Pumpkins, squashes and like vegetables should be polished with a cloth; leave stems on. Pears and apples should be polished until they shine and should also have nice stems. Never handle grapes, plums or peaches in such a way as to destroy their bloom. If the rules allow it, display all fruit on plain, white china plates; no other way is so attractive. Carefully arrange your exhibits in each class so they shall show up by themselves and avoid danger of getting mixed with exhibits of others. Never put your name on an article if you are trying for a prize. Use your own good common sense, and it will help out. Try it this fall. Some of the prizes may be waiting for you. *J. E. Morse.*

A Free Cure for the Tobacco Habit.

Mrs. J. Kay, A. C. 1023 High street, Des Moines, Iowa, has discovered a harmless and inexpensive remedy for the tobacco habit, which has cured her husband and hundreds of others. Any druggist can put it up. The prescription and directions sent free for a stamp to pay postage.

BUYING IN NEW YORK.

We purchase for out-of-town parties. Send postal for descriptive catalogue. **L. Reese H. Dick,** Purchasing Agent, 346 Broadway, New York.

YOUR FAVORITE

pen can be instantly converted into a Fountain containing an hour's supply of ink by simply affixing our new device. Goes into holder inside of pen and doesn't show when writing. One dip fills it; no leakage, daubing fingers or blots. I send a sample lot, assorted, to fit any pen for 15 cents. **E. S. HAINES, 64 Pearl St., Springfield, Massachusetts.**

ONLY 25 CENTS

Send your name and address, and 25 cents (silver) or 30 cents (stamps) and I will send you post paid my complete **Mail Course of Instructions in Scientific Healing and Personal Magnetism.** Equal to any \$25.00 course published. Satisfaction guaranteed or money refunded. Address, **Prof. W. A. Knellinger, 1306 Hanson St., Philadelphia, Pa.**

Mother's Meeting.

(Continued from page seven.)

or fruit may start a gastric disorder and in September's uneven weather if fatigue and constipation join hands there is good grounds for appendicitis to build on.

In September, too, one should wisely build up those who are known to have poor blood or are weak or prone to chronic catarrh. Here we find a special field for our old friends, Hood's Sarsaparilla.

To return to the subject of worms as relating to young children's health and not to exceed our allotted space let me say they really are grave matters and do much damage. A cure is demanded ere "worm fits" ensue. Common sense indicates some remedy first to kill the parasites (get santonin on physician's prescription as if you use too much for the age of children it seriously injures stomach by excessive vomiting and cramps and may do fatal injuries), and second to cast off the foul mass, and third to build or tone the system to fortify against their speedy return.

Children of a family which seems actually consumed by worms should after using santonin take a physicing dose of Fig Syrup, which contains senna—a fine herb to use for worm medicine as is worm-wood tea—or, a remedy which is not yet common, but which the writer has tested i.e., Hood's An-is-en, which is very agreeable to most children. After a week's vigilant treatment use a tonic; in this you can suit your purse and use a freshly made herb tea of worm wood, red clover, dandelion, hops, etc., or use the reliable Sarsaparilla we all know, i.e., Hood's; but use something, for driving out worms weakens for a time and leaves mucous membranes in suitable condition for a new crop of mischief makers.

For pin worms inject, for speedy relief, salt water, anoint with carbolic vaseline; and for cure inject water in which you have soaked a handful of quassia chips. Many cures exist for "thread" or "pin worms." Cleanliness of parts must be one method.

There are several forms of bowel disorders peculiarly liable to occur in September. Constipation should be regulated and diarrhoea cured by the timely preventive use of Fig Syrup or the above named Anisen. One of these remedies on hand may prevent a large doctor bill.

Let us hope all are willing to try what others have by experience learned is safe and good. This fea-

ture is the cause of our open mentions of reliable firms because too many are deluded by fakes and specious advertising. Our motto is—"Help one another." Any mother who has a useful bit of nurse love to impart may do worlds of good by writing same for this corner. Some other sister may find it just the aid she needs and bless the writer.

8000 Agents and Buyers late names. Just compiled; all prepaid \$1.35. Motor Dist. Agency, Des Moines, Iowa.

C. A. S. MONEY Circulars free. Address P. E. Cheney, Box 27, Mutual, Ohio.

ENERGY MAKERS a book of money-getting ideas 10 c's. Address, **A. G. BROOKS, Hunter, Ohio.**

PLAYS Dialogs, Speakers, Operettas, Drills, Beautiful School Cards, Big Catalog Free. Logan, Dailey & Co., 561 Wabash Av., Chicago.

VITAZONE cures disease. Treatment free. **Mason Drug Co., Hancock, Maryland.**

ARE YOU POOR? If so send me one dollar bill and I will tell you how I made part of my wealth. Address, **R. Flagler, 53 Frazier St., Brockport, N. Y.**

NOT ONE SAVED but 99 ink dips every hour you write if our Fountain Attachment is used. Converts any pen into a perfect well holding enough ink to write several long pages; fills itself with one dip and is out of sight when in use. Ink flows only when wanted, can't leak and blots are impossible, 3 for 15 cents. **Mithauer & Co., 37 Murray St., Flushing, N. Y.**

WOMEN WANTED To do Sewing at Home Binding specialties \$4 per \$100. Material sent free prepaid. Send addressed reply envelope for full particulars. **UNIVERSAL CO., DEPT., 5, WALNUT ST., PHILADELPHIA, PA.**

Buy a Home or pay off your Mortgage without interest

Our Home Contracts are as good as Government Bonds. It will pay you to investigate our Plan. Send stamp for particulars. Good Agents Wanted.

Address **AMERICAN HOME COMPANY, Limited, 167 DEARBORN STREET, CHICAGO, ILL**

FREE



This fine watch thoroughly timed, tested, regulated and guaranteed given free for selling 2 doz. of our fast selling jewelry novelties at 10 cents each and returning us the \$2.40 when sold Address

The New Climax Mfg. Co. New Milford, Dept. 3, Conn.

FERTILE FARMS are better than all the GOLD MINES

We have Land Bargains in fertile, lovely Virginia. Blue grass, timothy and clover flourish luxuriantly. Blue Ridge Mountains in sight, but country looks like a western prairie, and all kinds of modern machinery used to great advantage, noted stock reg on; cattle and sheep fatten on these blue grass lands, good for corn, wheat, oats and fruit. The highest priced apples grown in the U. S. produced here. Many farms within 20 to 30 miles of the National Capitol, the most beautiful city in the world. Best educational and social advantages. Fine markets, yet land and labor cheap. Climate delightful and healthful.

No. 1005. 71 acres, \$2,000; right in village, at station, and county seat; churches and public school; all fenced; mostly cultivated; large frame dwelling, square hall; ice house, meat house, barn, corn house, stable, some fruit; \$2,000, half cash.

No. 1061. 600 acres with "colonial" mansion, 11 rooms; good repair, good barns; land smooth and fertile. Postoffice on place. Very attractive and fine land, \$10,000.

No. 1106. Great bargain in southern Va., cost \$30,000, now \$9,000 buys it. 1200 acres nice smooth land of good quality. 38 miles Richmond, Va., 5 miles depot and town. Postoffice on place. Large handsome house and barns. Spring water forced to house and barns. Splendid stock farm. Silos in good repair. Price \$9,000.

No. 1119. Brick mansion and farm near Lynchburg, Va., 250 acres smooth fertile land; handsome house, 12 rooms; surrounded by noble grove. At depot and village; good road to city. \$6,500.

SEND FOR DETAILS.

We have other elegant farms and country seats in Virginia and Maryland, and other states. If interested send for catalogue, "VIRGINIA AND CAROLINAS ILLUSTRATED," contains descriptions of hundreds of farms, with photographs of buildings and crops. Finest farm catalogue issued. Address, **The American Land Co., 42 Kelly Bldg., Springfield, Ohio.**



Colors: Black, Heliotrope, Old Rose, Blue and Green. Lengths: 38, 39, 40, 41, 42, 43 inches.

Never Sold in Stores.

Our famous SILK-E Underskirt.

practically receive a silk underskirt when you order a SILK-E. The effect that a SILK-E Skirt creates under a summer skirt is most pleasing, and lends a handsome finish to both light and dark-colored garments. Order at once.

SENT, WITH PRIVILEGE OF EXAMINATION, ANYWHERE C. O. D. \$2.50 EXPRESS PAID.

The above offers are made solely for the purpose of better introducing our goods, and if you take advantage of same you will be sure of having received a real bargain.

Are You Wearing SILK-E Stockings?

IF NOT, we offer to send you, for a short time, a sample pair postage paid upon receipt of 30 cents in postage stamps or coin. Our SILK-E Stockings have the appearance of silk, but wear much better; do not fade in washing, and cost only a small fraction of the price which has to be paid for real silk hosiery. These stockings are manufactured in open-lace work, also plain, for both men and women, and we furnish them in the standard colors and in all the regular sizes.

Are You Wearing SILK-E Underskirts?

For a limited time we are offering our \$5.00 SILK-E Underskirts at the specially low price of \$2.50 delivered. These skirts rustle like silk skirts and have all the appearance of silk skirts, but last twice as long and fit particularly well over the hips. They are made with three rows of full ruffles and one row of fancy cord on each ruffle; pointed and gathered ruffling running from top ruffles to the heading of same, and cut with a very wide flare, making a most satisfactory skirt in every particular and filling a long-felt want. You

practically receive a silk underskirt when you order a SILK-E. The effect that a SILK-E Skirt creates under a summer skirt is most pleasing, and lends a handsome finish to both light and dark-colored garments. Order at once.

SENT, WITH PRIVILEGE OF EXAMINATION, ANYWHERE C. O. D. \$2.50 EXPRESS PAID.

The above offers are made solely for the purpose of better introducing our goods, and if you take advantage of same you will be sure of having received a real bargain.



Our famous SILK-E Stockings.

The SILK-E MFG. CO., 1751 PARK ROW BLDG., New York Originators and Sole Distributors of SILK-E Skirts. AGENTS WANTED.

THE BRIGHT-EYED CIRCLE.

(Continued from page Nine.)

The following is a sample story such as I wish from my Bright Eyed readers. I shall be especially proud, oh! very proud indeed, of ever so short a story written by any of you about anything you have seen, or learned, or thought about birds, animals, insects, or flowers:

"D. W. Fisher, of Franklin, Mass., owns a two year old cat, that does everything short of talking. For nearly the whole of the two years his owner has been training him. It was not long before Tricksey could rear himself on his hind legs and go through all the paces of a regular track pedestrian. Then he learned how to waltz and does it quite gracefully. He has learned the manly art of self-defense and his poses would not discredit a pugilist. His latest achievement is riding a bicycle. Mr. Fisher would not part with him for a hundred dollar bill."

What We Owe the Cow.

In the ten years, which is about the number during which the average cow is useful for dairy purposes, she produces milk to the value of nearly one thousand dollars. During the same period she brought into the world ten calves, worth at six months old, two hundred and seventy-five dollars. A twelve hundred pound animal will give the butcher dressed beef worth seventy-five dollars. Her hide tanned and made into shoes will bring nearly two hundred dollars. The hair will sell for something, that on the tail being the most valuable, it being used with horse hair for stuffing sofa and chair cushions, and for wigs. The value of her hair we will say is one dollar and fifty cents. From the short hair felt is made used in making blankets, roofing felt, coverings for boilers and for steam pipes. From the interior of the horns a pith is taken which goes to the glue pot. The hard portions are used by comb manufacturers and button makers. A pair of horns will make four combs. We will count the combs at twenty-five cents. Mouth pieces for pipes are made from the tip of the horns. Count these at one dollar and twenty cents. The large bones of the animal are made into knife handles and tooth brushes; the smaller into buttons and a score of other small wares. The waste is used as fertilizers or to make an animal charcoal or ivory black and bone naptha. The hoofs are used to make glue, gelatine, and isinglass. The tallow and grease will make soap and crude glycerine. The sinews are made into catgutt (for musical instruments). From the parings and cuttings of the hide is made a product from which prussic acid (a dreadful poison) is obtained, while from the marrow of the larger bones a pomade is procured. Someone has figured up that the grand total which we owe Old Bossie is sixteen hundred dollars.

Save your morning-glory, nasturtium and sweet pea seeds. Next spring with a little wire netting or even a few crates or a large dry goods box you can have a "perfectly gorgeous" Morning-glory cottage with or without an American flag on top. Any who do this and send me a snapshot of the work next summer shall see the same in print.

To attract the dear little goldfinches plant bachelor buttons and enjoy their sprightly songs as they sway to and fro on the stems when the seeds form. To bring humming birds plant honeysuckles and for almost any bird, the mulberry bush is very attractive. A tree full of mountain ash berries is a cheery sight in winter.

Just For Fun.

Father (to the seven year old beside him in the dog cart, as he cuts the whip sharply through the air)—"See, Tommy, how I can make the horse go faster without striking him at all."

Tommy (in an eager tone of happy discovery)—"Papa, why don't you spank us children that way?"—*Tit-Bits.*

"You say you think your boy has too great an appetite?" said the physician to an anxious mother, "Do you realize how much a growing boy can eat?"

"I should think I ought to if anybody does or can," replied the boy's parent. "I'll just put the case to you, doctor. Where we were, up in the mountains, the waitress would come in and say to my boy at breakfast time, 'We have fried fish, steak, liver and bacon, baked and fried potatoes, rye biscuit, muffins, and dry toast.' And that boy, Ned, would say, 'I'll take it all, please—and some eggs'."

A woman's discovery

FREE

By many years of constant study and experiments, I have perfected a simple, harmless vegetable remedy that will quickly cure all female diseases, as well as the piles. It is nature's own remedy and will not only relieve, but will absolutely, thoroughly and permanently cure, the ailments peculiar to women, such as falling of the womb, leucorrhea (whites), displacements, ulceration, granulation, painful or scanty periods, irregular menstruation and all the pelvic ills of women. It positively cures rectal ulcers, piles, hemorrhoids, tumors, itching, blind or bleeding piles in either sex. It cures promptly, privately and permanently without the repugnant methods in general use by physicians. You can escape embarrassing examinations, avoid humiliating exposures, cheat the surgeon's knife out of baptism in your blood.

The treatment is so simple, mild and effectual that it will not interfere with your work or occupation. Thousands and thousands of letters are being received from grateful persons from all parts of the world who have been cured by the use of this remedy. The first package is free, send for it—send today. I know that a fair trial of it will result in your becoming its enthusiastic advocate and friend. With it I will send literature of interest and value. Do not neglect this opportunity to get cured yourself and be in a position to advise ailing friends.

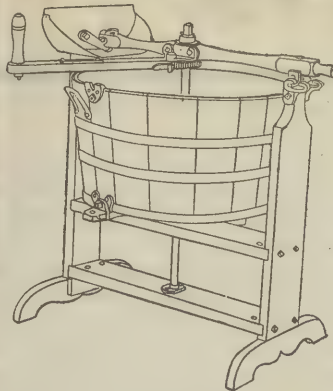
Consider well the above offer and act upon it at once: It is made in the sincere hope of aiding you and spreading the knowledge of a beneficent boon to sufferers. Earnestly, hopefully, faithfully, Mrs. CORA B. MILLER, 43 Comstock Bldg., Kokomo, Ind.



FREE Solid Gold-filled Ring diamond resemblant 2 garnets. Send name (we trust you) for 10 boxes Foaming Tooth Powder sell at 10c get ring. Am. Supply Co. D. 10 Bridgeport, Ct.

Wiard's Standard Washer

Satisfies Where Others Fail.



We will send to any address, anywhere, a Standard Ball-Bearing, Double Rotary Motion, Washing Machine on 30 Days Trial, Entirely Free. Freight paid. No deposit or advance of any kind. No expense to you whatever. The Standard Washer possesses several new and valuable features. The Double Rotary Motion gives twice the motion of any other washer. A good solid place for the wringer, which does not have to be removed while the washer is being operated. The tub turns in one direction while the upper disk rotates in the opposite direction at the same time. The Standard Washer has great leverage, which with ball bearings reduces the power required to operate it to the minimum. Will wash a tub full of clothes perfectly clean in a few moments, and an ordinary family wash in an hour.

No harsh rubbing, hence little wear on the clothes. Will not tear the finest fabric.

Ninety-seven percent of all Washers sent out, entirely on approval, are accepted. A Record unsurpassed. \$1,000 Reward to anyone who can prove that this statement or the following testimonials are not genuine.

Some time ago I bought a Wiard Standard Washing Machine on condition that if it did not give perfect satisfaction, I would not keep it. Well, I still have it, and would not do without the machine if it cost three times the price paid for it. It does away entirely with the "Old Wash Board," and sore hands, from rubbing the clothing, and last, but not least, it allows the washing to be done without being over the steam inhaling filthy, polluted air for half-days at a time.

Anyone that wants a good reliable Washer, one that works easy and washes clean, then get the Wiard's Standard.

I have tried a number of washers and finally gave my choice to the Standard Washer as the best of all. The Standard washes quicker, cleaner and easier than any of them.

I like it. Wouldn't take \$30 for it if I could not get another. It works so easy my little children work the machine and do the washing for a family of eight persons in two hours, where it used to take all day.

I am using one of your machines, it washes complete in every respect. My husband is a stone mason, consequently I have given it a good test. I have no use for a rub board, and can recommend it to any one needing a machine. Any lady can operate it.

Easy Monthly Payments or a Substantial Discount for Cash.

Send for illustrated circulars.

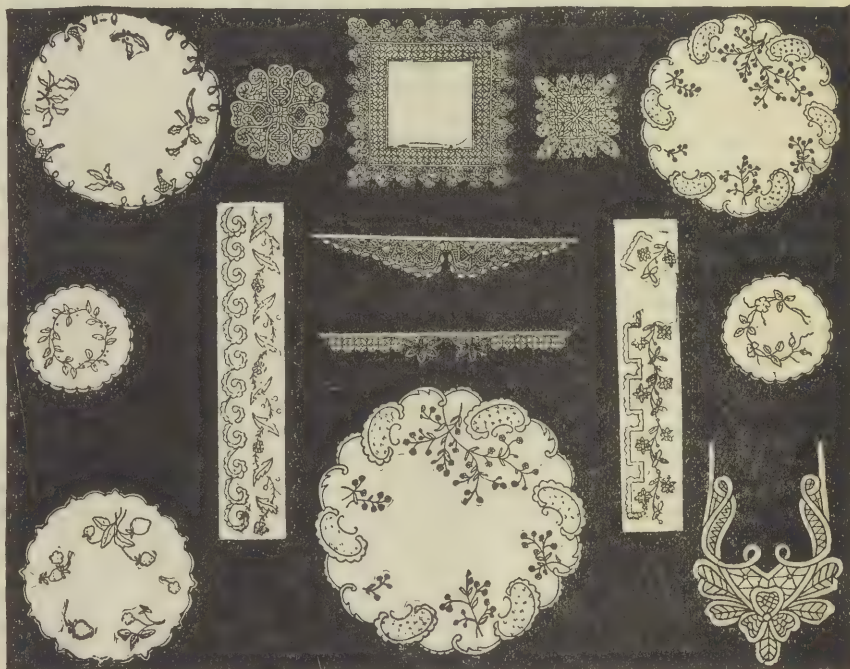
Good agents wanted.

The Wiard Manufacturing Company,

20 Main Street,

East Avon, New York.

FREE TO EVERY LADY READER



We have arranged with the manufacturers for a large quantity of stamped cambric linen and shall give the entire collection illustrated above to everyone securing one subscription for us either at 50c. for one year or our special offer of three years for \$1.00.

It Takes but a Few Minutes. If you will take this copy of the Magazine and show it to your friends you can easily secure one subscription in a few minutes. We will give one collection for each subscription secured. Send names and money to

VICK PUBLISHING CO.

62 State St., Rochester, N. Y.

Our Poultry Page

Introductory.

There never was a truer remark made, as it applies to poultry business, than one we quote from our friend D. J. Lambert, poultry judge and successful breeder, who says in his pamphlet Pocket-Book Pointers for Practical Poultry Keepers that, "To make cents from sense and dollars from cents requires all the brains at one's command." But to go further than brains into the subject, it is brawn too, that is required to make a success of poultry keeping. All the brains in the world, even if fed to the fowl, would not suffice without "Eternal vigilance against all kinds of poultry enemies from the smallest mite of the score or more varieties of lice that infest poultry to rodents and the very Devil that prowls around at night to undo the work perhaps of half a season's time and labor. It is our purpose to assist all our readers interested to successfully combat, meet and head off, if possible, all difficulties to profitable results in rearing all good poultry. Poor stock we would prefer to see dead anyhow. By poor stock we do not mean everything that is not pure bred, but we do wish to encourage the rearing of good thoroughbred fowl, knowing from experience with all kinds that such pays better from any line of profit looked for by the breeder, than the ordinary so called "Barn yard fowl" or more properly termed mongrels.

But whether you breed one or the other, we are here to serve you, so do not hesitate to call upon us for information on any vexed point, which will be cheerfully given either through the columns of this department, should your query be one of general interest, and space permitted, or by mail if otherwise, or a quick reply should be needed. There are a few things we ask you to kindly remember: First, enclose return postage with enquiry. Then do not ask us to guess riddles nor make inquiries from idle curiosity. We are glad to give such information as has been gained by thirty years of experience in breeding high class fowl, also as judge and exhibitor in the show room. We shall be pleased to correspond with, and not only that, but also to have the experiences of all our poultry rearing friends, so let us hear what you have done, what you want to do, etc. Everybody is looking for information in these days. It is by the interchange of ideas and experiences that the most good comes to the greatest number.

It is our purpose to make this poultry department valuable enough to win the subscription price of this Magazine for itself alone, from all who have the least interest in poultry culture. The question answering bureau will be sufficient inducement to many and

it will be a main feature with us; it will also be promptly attended to. There must necessarily appear much in the printed columns that will be dead wood to the experienced, but to such we must crave your kind indulgence, and ask you to remember that in the large number of readers there are those who do desire that very information. Let us hear from those of experience who can help us to assist the novice and make this attractive, useful and interesting.

Pertinent Paragraphs.

Never overfeed in troughs. Do not overcrowd.

Supply green food daily to all fowls in confinement. Do not neglect this.

Feed meat in some form at least twice a week and preferably every two days.

Give good ventilation. Keep free from parasites and you will not have sick fowl.

Whitewash the hen house inside twice a year and always use crude carbolic acid in the preparation.

At this time of year give fresh water twice a day if possible, but be sure that it is done once and left before them to drink at will.

Always keep both grit and crushed shells before your fowl whether on free range or confined. The crushed grit is far superior to such gravel as they can pick up.

Scatter small grain, such as wheat, buckwheat, oats, and cracked corn, so the fowl will have to exercise to procure it, and you will perhaps ward off much disease and help fill the egg basket.

Keep lice and parasites from infesting your fowls and hen-house. Use the lice powders and liquid lice destroyers freely at this time of year whether you know you have lice or not. If not convenient to purchase a good liquid lice killer, take kerosene oil and charge it heavily with crude carbolic acid (easily procured at any drug store) and put it liberally over roosts and nest boxes. It costs but a few cents and will save many dollars.

Cleanliness in Feeding Poultry.

Where fowls are kept there should be constant efforts to have every place and everything in the cleanest and most perfect shape.

The time of year is close at hand when the experienced poultryman knows that neglecting to look after this work of purifying, cleansing and arranging the feed room will cause a loss in egg production at just the time when fresh eggs are most in demand. Every point however small in the various details of poultry keeping must be strictly attended to, and in many instances I believe it is the neglect on the part of the owner in looking after these small things that causes the failure. Of course there is such a

thing as partial success and many are satisfied with this, but what we should do, is to go at this work with a determination to conquer all difficulties in the way of making poultry keeping a real profitable business.

Cleanliness in feeding is a point that is seldom considered. A common way of feeding poultry is to throw the food on the ground without any thought as to whether it is clean or not. If fowls are fed in one place day after day, that spot will surely become very filthy, and if they have access to this place all the time, they will remain there more or less in search of more food. The result of this is that the droppings will soon become trampled into the surface, so that the food coming in contact with it, will be impure and unfit for the hens to eat, and it seems reasonable to believe that many cases of disease rise from this careless way of feeding.

My plan is to have a room or place exclusively for feeding purposes; this place need not be large, one side of the main poultry house, or an end in the scratching shed may answer. Around the trough in which the food (mash) is placed, make crate or rack out of lathe, the laths running up and down so the fowls can reach through and eat; on the top may be placed a board for cover, running lengthwise with hinges. After the fowls are done eating the rack may be lifted out of the way so as to clean the feed trough and sweep the floor, which should be done after each feeding. For feeding grain I have a pen twelve to sixteen inches high; the side of building may form one side; and for twenty to thirty fowls the pen should be four to five feet square, in this pen place a good bed of straw or other litter, and throw in the grain, I use a "poultry feeder and exerciser" for feeding the grain through. This machine scatters the grain out slowly and evenly over the pen and keeps the hens busy all day, but with those who have no "feeder" the grain may be scattered in the pen, and then all this litter can be cleaned out once or twice a week, thereby keeping the place clean.

—V. M. Couch, Larkfield, N. Y.

TO WOMEN WHO DREAD MOTHERHOOD!

Information How They May Give Birth to Happy, Healthy Children Absolutely Without Pain—Sent Free.

No woman need any longer dread the pains of child-birth; or remain childless. Dr. J. H. Dye has devoted his life to relieving the sorrows of women. He has proved that all pain at child birth may be entirely banished, and he will gladly tell you how it may be done absolutely free of charge. Send your name and address to J. H. Dye, Box 137, Buffalo, N. Y., and he will send you, postpaid, his wonderful book which tells how to give birth to happy, healthy children, absolutely without pain; also how to cure sterility. Do not delay but write today.

I Can Sell Your Farm
no matter where it is. Send description, state price and learn how. Est. '96. Highest references. Offices in 14 cities.
W. M. Ostrander, N. A. Bldg., Philadelphia

Story-Writing—Journalism

Taught by mail. Manuscripts revised and sold on commission. Send for free booklet, "WRITING FOR PROFIT." Tells how to succeed as a writer. THE NATIONAL PRESS ASSOCIATION, 51 Baldwin Bldg., Indianapolis, Ind.

BOOKS The kind you want | Bargain Price
The kind you need. | List FREE.
Empire J. Supply Co., Jamestown, N. Y.



WILSON'S

New Green Bone, Shell and Vegetable Cutter for the Poultryman.

Also Bone Mills for making phosphate and fertilizer at small cost for the farmer, from 1' to 40 horsepower. Farm Feed Mills grind fine, fast and easy. Send for circulars.



Eczema, Salt Rheum

All Diseases of Skin and Scalp cured permanently. Nothing disagreeable, but a pleasant cure. It makes no difference how bad the case or how long standing. Particulars.

F. DeLONEY & CO., Plymouth, Ind.



THE "BEST" LIGHT

is a portable 100 candle power light, costing only 20cts per week. Makes and burns its own gas. Brighter than electricity or acetylene, and cheaper than kerosene. No dirt. No grease. No odor. Over 100 styles. Lighted instantly with a match. Every lamp warranted.

Agents Wanted Everywhere.
THE BEST LIGHT CO.,
133 E. 5th St., Canton, Ohio.



EASY MONEY

RELIABLE MANUFACTURING CONCERN will assist you to establish a profitable local business. No canvassing, but legitimate and new money-making plan. Get more details.

Write if you desire Ladies' or Gents' size.
CALUMET WATCH CO., Dept. 22, Chicago



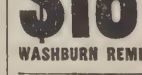
hours at the start. Particulars free. W. S. GALLATIN & SONS, YORK, PA.



650 FRINGE & MOTTO CARDS
Verses, Riddles, etc. (Your name on cards). King.
Plin. 1 Dancing Skeleton (great fun). 1 Large game of
Rivals, & Book of Genuine Cards (no trash) ALL SENT FOR 10 CTS.
BIRD CARD WORKS, Montowese, Conn.



Write if you desire Ladies' or Gents' size.
CALUMET WATCH CO., Dept. 22, Chicago



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CALUMET WATCH CO., Dept. 22, Chicago



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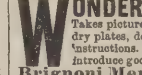
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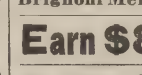
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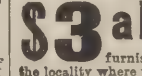
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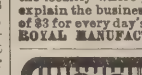
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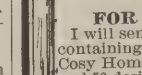
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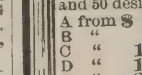
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Female Weakness, Nervousness, Weak Back, Stomping Shoulders, Lung Diseases, Abdominal Pains, Discomforts from Standing or Walking.

Wholly external. Comfortable. Adjustable to fit any figure (thin or stout). Worn with or without corset. No metal springs.

around the body. A boon to the prospective mother. Many thousands of grateful women write us like this:

34 Walnut St., Dayton, Ohio, April 19, 1902.
Two years ago I bought a Natural Body Brace which has cured me of general female weakness in its worst forms. I cannot find words to praise it as it deserves.

Write for our illustrated book. It might save you hundreds of dollars and years of health. It is mailed free with full particulars. Address

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I LOOK STUDY THIS CAREFULLY AGENTS.

This **NEEDLE CASE** is elegantly in gilt and blue, red or amber. 100 Needles, 20 Nos., 4, 5, 6, 7, 8 in Case. Instantly get any size as needed. All pass to or from respective chambers through hole in cap at top. Cap and pointer revolve to No. desired (see cut). At 7 tilt case over, a No. 7 needle appears. Use and return it. Pointer set between Nos. lock them in. Mailed for 35c. Agents Wanted. The Crescent Co., Box 154 G. ILION, N. Y.

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How to reduce it
Mr. Hugo Horn, 344 E. 65th St., New York City, writes:
"It reduced my weight 40 lbs. three years ago, and I have not gained an ounce since." Purely vegetable, and harmless as water. Any one can make it at home at little expense. No starving. No sickness. We will mail a box of it and full particulars in a plain sealed package for 4 cents for postage, etc.

Hall Chemical Co., Dept. 213, St. Louis, Mo.

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FOR A DIME.
I will send either of these Portfolios containing 10 designs of Cosy Homes.
A from \$ 300 to \$ 900
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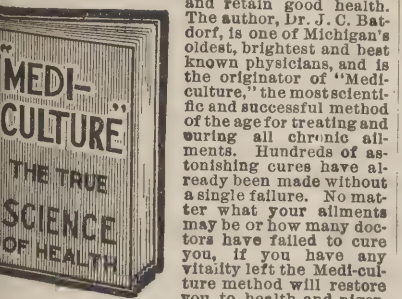
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Easy Living.

Dar's two times in the year dat Gord
Made for the nigger sho',
Two times when he's so rich he don't
Ask Gord for nothin' mo'.

Blackberry time is one; for den
He neither hoes nor sows;
De nigger knows his daily bread
Right on the bushes grows.

De other's Watermelon time;
An' den—Lord bless your soul!
Bof bread and water grows for him,
In one big cool green bowl.

Bandanna Ballads.

Use of Cream.

(Written for Vick's Family Magazine.)

In warm weather the appetite sometimes becomes so capricious that the cook is in despair of finding anything to tempt it, and so while the weak ones are eating daintily, a bite here and a morsel there, the flesh is gradually diminishing and the strength failing.

In such cases the doctor's prescription of "oil taken regularly" is unheeded because of the nauseating effect it produces, not knowing that the desired effect could be secured by the liberal use of sweet cream.

Nearly every one likes cream and sugar on berries, peaches and some other kinds of fruit, while many will eat a cream salad when they would not touch it if made with oil. A glass of cold milk with a liberal quantity of cream stirred in is very refreshing if taken in small sips. Hot milk taken in the same way is nice in cold weather. A bowl of bread and milk rich with cream is fit for a king. There are so many ways of using cream that there need be no danger of getting tired of it, and it is much cheaper than doctor bills.

The use of cream externally is not as well understood as it should be, considering its beneficial effects. It only takes a spoonful, or two of cream to rub the whole body and nothing else will so quickly soothe the tired nerves and induce refreshing sleep after a day of fatigue or weariness.

Before using the cream rub the skin with a stiff bristle brush until the circulation of the blood induced by the friction causes a glow, then take a few drops of cream on the hand at a time and rub thoroughly every part of the body and go to bed. In the morning take a cool bath, using enough borax to soften the water and pure white soap.

As a beautifier, cream is excellent, softening and whitening the skin. It also aids in preventing wrinkles.

In fact if cream were not so cheap, it would be greatly appreciated for its many uses beside making butter and supplying the cook. *Experience.*

We wish all our readers could have seen "Vick's Window Garden" collection as it appeared when our photographer took a snap shop of it. The cut on another page does not do justice to the collection, but we are confident that everyone who orders it will be delighted.

A \$6,000 HOME FREE



This home is situated in the beautiful city of Uniontown, the capital of Fayette County, in Western Pennsylvania. House contains eight rooms, bath room elegantly finished with latest style plumbing, enameled tub, etc. Pure mountain water piped throughout the house. Hot water furnished by instantaneous gas heater. House heated and lighted by natural gas, the cheapest fuel known. Cellar under whole house and is always dry. This elegant home is within ten

minutes' walk of a dozen churches, the B. & O. and Pennsylvania R. R. Depots and High School. Three minutes from Primary School. Population of city 12,000. One of the best business towns in Western Pennsylvania.

My Offer I will give a deed of the above home, free of all incumbrances, to the person who wins in my great guessing contest.

The Contest I am introducing a new Tooth Powder on which I have studied and experimented a long time. I believe it to be the best in the world. It preserves the teeth and keeps them clean and white; keeps the gums healthy and the breath pure. I also have the best prescription for sore mouth, canker sores etc., ever prepared. I will send a full size box of my tooth powder, together with the above prescription for \$1.00 and give every purchaser one guess on the number of grains of wheat in a pint.

The one guessing the nearest will get the house and lot described above. In case of a tie I will give a joint deed to those tying. Three reliable and disinterested business men will buy a pint of wheat in the open market, count the grains and award the prize. This is strictly a business proposition and will be carried out to the letter. I can afford to give liberal prizes to introduce my tooth powder as I will make thousands of dollars on it when once known. Remit by registered letter, or money order.

DR. J. W. ALLEN

Uniontown, Pa.

THIS BOOK FREE

The essence of many volumes put into a nutshell by Prof. J. A. Nichols, A. M., and H. H. Goodrich A. M. The biggest little book ever sold for the money, considering its practical worth and durability. 1001 practical facts and figures for every day life specially arranged and systematized for **The Busy Man**.

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Bill of Exchange.
Banks, How to do business with.
Papers, How to transfer.
Debt, How to demand payment.
Change, How to make quickly.
Wealth, How to obtain.
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Difficulties, How to settle by arbitration.
Arbitration.
Agents, How to do business with.
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Comprising 18 departments.

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Book Free For the next sixty days we will send one of these books absolutely free to everyone who secures subscriptions to Vick's Family Magazine to the amount of \$1.00 but 8c. extra must be sent for postage on the book.

DANSVILLE, N. Y.

VICK PUBLISHING COMPANY,

Rochester, N. Y.

GINSENG CULTURE.

(Continued from page eight.)

Men who traverse the country buying furs and skins also purchase ginseng, so it has not been necessary for Mr. Embling to seek a market. During the war in China the price dropped a little, but last year it advanced again. So far he has sold no seed, preferring to keep it to enlarge his plot.

It has been said that the ginseng has no enemies, but Mr. Embling's plants have been somewhat troubled by the woolly aphis. This may be owing to their growing under apple trees. Spraying with whale-oil soap has proved an effectual remedy. Snails are sometimes troublesome, being especially so this year, probably on account of the very wet weather which has prevailed. The late frosts last spring injured the young plants a little; this had never occurred before.

Mr. Embling firmly believes that with proper care ginseng can be profitably grown, but no one should engage in the business unless he has patience to stick to it at least ten years, for no great results can be expected in less than that time.

Mr. Hammond's methods are not particularly different from those of his neighbor, Mr. Embling. His plot of ground is laid out in beds three to four feet wide with narrow paths between. This enables one to reach all parts of the bed without injuring the plants. The first plants were taken from the woods and set out in ordinary garden soil. They were set three by six inches apart, but this has proved too close; they should be six inches apart each way. About half wood-dirt, composed mostly of rotted wood, was worked into the soil where a second lot of roots was set, and the increased vigor of these plants was so manifest that this proportion has been kept up in all new beds. Pulverized hen manure worked into the soil between the plants has proved a good fertilizer. Thorough cultivation is kept up through the season. Before the ground freezes the beds are mulched with leaves, straw, or cornstalks.

To afford the necessary shade for the plot, cedar posts about seven feet high were set up and roofed with a covering of lath made in sections for convenience in handling. Spaces about one-half inch wide were left between the slats for the passage of light and moisture. As a still farther protection against the rays of the sun, small bundles of the common cat-tail flag were tied up and spread over the roof. This covering has answered the purpose well, the beds have been kept moist without watering and the plants are all in a very flourishing condition.

Around the outside of the plot a wire screen was placed to keep out hens and other would-be intruders. To this screen were attached bundles of flags similar to those on the roof; these formed a sort of wainscoting about three feet in height, and helped

to keep out the rays of the sun. The flags were plenty a short distance away, and cost nothing but the time spent in cutting and tying them in bundles. They have already been used two years and will probably last for several seasons more. This method of protection is certainly a most original one, but it answered the desired purpose.

The plot is about two rods square; from the plants 5,000 to 6,000 seeds were gathered last year. As they increase in size and age they bear more seeds, and Mr. Hammond expects to have at least 10,000 seeds this year. He has not thus far sold any roots or seeds, preferring to keep them and increase the area of his plantation.

His methods of cultivation have certainly been highly successful, the plants being in a very flourishing condition with most assured prospects of an abundant crop of seeds and finely developed roots.

It is very evident that to raise ginseng successfully, patience and perseverance are necessary. Unless one is prepared to labor and to wait several years for the harvest, it is not advisable to undertake the business. Reliable dealers are now offering both seeds and roots, and a considerable gain in time is made by purchasing the latter, as it takes so long for the seeds to germinate. Directions for planting and cultivating are furnished by all dealers. The proper time for planting is in September and October.

Florence Beckwith.

No Person Should Die

of any kidney disease or be distressed by stomach troubles or tortured and poisoned by constipation. Vernal Saw Palmetto Berry Wine will be sent free and prepaid to any reader of this publication who needs it and writes for it. One dose a day of this remedy does the work and cures perfectly, to stay cured. If you care to be cured of indigestion, dyspepsia, flatulence, catarrh of stomach and bowels, constipation, or torpid and congested liver; if you wish to be sure that your kidneys are free from disease and are doing their necessary work thoroughly; if you expect to be free from catarrh, rheumatism and backache; if you desire a full supply of pure, rich blood, a healthy tissue and a perfect skin, write at once for a free bottle of this remedy and prove for yourself, without expense to you, that these ailments are cured quickly, thoroughly, and permanently with only one dose a day of Vernal Saw Palmetto Berry Wine.

Any reader of Vick's Magazine who needs it may have a trial bottle of Vernal Saw Palmetto Berry Wine sent free and prepaid by writing to Vernal Remedy Company, Buffalo, N. Y. It cures catarrh, indigestion, flatulence, constipation of the bowels and congestion and sluggish condition of the liver and kidneys. For inflammation of bladder, and enlargement of prostate gland it is a reliable specific.

The Finishing Touch

to a building estimate is to specify M F Roofing Tin. It is the best roofing material—perhaps just a little more costly at first; but it will last more than half a century; will not rust, or leak. It is the world's standard for roofing tin.

M F Roofing Tin

is made by the old-style hand process. It carries a very heavy coating of pure tin and new lead. Every sheet is carefully inspected and only perfect plates sold. This **MF** mark stamped on every sheet. Ask your roofer, or

Write W. C. CRONMEYER, Agent, to Carnegie Building, Pittsburg, for illustrated book on roofs and roofing. AMERICAN TIN PLATE COMPANY, New York.

GREAT 30 DAY OFFER

Do You Want a Beautiful Clock for a Song?

These are genuine imported Swiss Clocks and are an ornament to any home. They are handsomely carved in imitation walnut with ornamental weight and pendulum. Suitable for a present or for any room in your house.

For the next 30 days we will furnish one of these beautiful clocks together with a three-year subscription to VICK'S FAMILY MAGAZINE

FOR ONLY \$1.50.

We have had one of these clocks running in our office for a long time and it keeps perfect time. We ship the clock by express securely boxed, charges to be paid by the subscriber. Do not miss this opportunity. This offer is good to old or new subscribers. Tell your friends about it and have them send in their subscriptions at once. This clock will please you.

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A NEW BOOK "How to Make Money Growing Violets" by George Saltford, 30 Years Practical Experience. Price 25 and 50 Cents Postpaid, Money Order Preferred. VIOLET CULTURE CO., 61 Quincy Street, Brooklyn, N. Y.

\$10,000 FREE to readers of Mining Investor. Bank references. Answers all questions on mining, free to subscribers. Fake and wild cat schemes exposed. Write for sample copy of the most honest paper published and particulars of \$10,000 offer. Box 1058, Colorado Springs, Colo.

Recompense.

When golden rod lines every hedge and lane,
What matters if the fields are brown in rain?
Where violets were, a purple aster grows.
And why should one regret a faded rose?
What if the nest we watched deserted swings;
A meadow lark a-down the pasture sings.
And when the leaves are falling thick and fast,
They are the brighter that they cannot last.
For even in the coming winter days,
The promise of another springtime stays.

Chicago Inter-Ocean.

Little Boy's Blouses.

The time has gone by when little boys looked with longing eyes upon the dainty dresses of their little sisters and then exclaimed with an attempt at manliness: "It's nothing but girl's fixings any way!"

Dame Fashion has taken pity upon the beauty loving youngsters and now their dainty suits are as attractive as heart could wish. What could be more satisfactory to the proud young mother than the dainty white suits so fashionable for summer wear, or more pleasing to the youngster than the blouses of various colors "as pretty as a girl's." These white blouses are made of fine white lawn with sailor collar and fancy turn back cuffs. The cuffs, collar and front pleat are trimmed with a ruffle of embroidery. When the little man is five or six years old the ruffles and sailor collar are discarded and the garment becomes a shirt waist with narrow tucks at each side of the front pleat, a narrow turn over collar and straight cuffs. The blouses for the small boys everyday wear are made of colored fabrics which are not so quick to show a bit of soil and are pretty enough to suit any one. Sometimes the wide collar is trimmed with a ruffle but the flat braid trimming is also much used.

These blouses should be washed in pearline suds, as cheap soap is liable to fade them, and dried in the shade. If soft water cannot be procured it is well to use a teaspoonful of powdered borax to a pailful of water to soften it.

The collars of boys' shirt waists should be made separate as they are so much easier to iron. A blouse suit of white denim with light blue trimmings is very pretty and is suitable for boys from four to ten years. The suit is all white except the sailor collar which is of the blue sewed upon a white collar which shows one inch of the edge. A removable dickey at the throat is of the white and has an anchor embroidered with light blue Roman floss. A light blue silk tie is worn with this and tied in a sailor knot. Blue and white duck are also used for this suit.

A dark blue duck suit with a number of rows of white braid on the collar and a white shield at the throat with design in blue Asiatic twisted embroidery silk is very pretty and serviceable. The shields with colored silk should be washed in borax water with white soap to avoid boiling which would fade the silk. A small pocket improves the blouse. R. E. M.

Look up our Window Garden offer on page 9. If you love plants, you will be delighted with this collection.

Course of Two Hearts.

(Continued from Page Five.)

a man who would wed her for a fortune," he decided to wait and win her love if he could before she returned to her home. So day after day they strolled over the mountains, basking in the sunshine of each other's presence. While the gray-haired teacher sat near, with her sketch book and pencils, they would talk about the future, and he loved and honored her more each day as he read her true nature. One day the large brown eyes were again filled with grief, as she spoke of returning home soon, and Bert could endure it no longer; so very tenderly, he told her his life's story, up to the time when he learned that he was to marry his uncle's ward.

The sweet face shone with happiness when she realized all that awaited her in life, for she had grown to love Bert very dearly, and felt she could trust her whole life in his keeping.

They were both at Uncle James' at the appointed time, and after listening to their story, he seemed deeply touched. He said, "I did not mean that either of you should be made unhappy, but I knew you would learn to love each other if I could have you both home; but an old man would better leave such affairs alone, for love will follow no one's will."

In a short time a telegram went flying over the wires to Frank Holden, to be ready to come to a wedding soon; and he was there, and served as best man in one of the happiest ceremonies he ever witnessed.

Choice Plantings for Autumn.

(Continued from Page One.)

November, preferably the former, and until freezing prevents, not however with the best results. They are the bulb for limited garden space since so great a display may be obtained within a small compass, and small-rooted bedders or annuals can be grown between the rows in summer while the bulbs lie undisturbed. They are the bulb for ample grounds since here all the gorgeous effect of massing in self colors or bordering drives with ribbon rows may be obtained. There may be mixed borders too, and glowing clumps among the shrubbery. In truth, they are the bulb for everywhere and everybody, their ease of culture, and their low price, placing them within the reach of all. By planting of the different classes, the blooming season may be prolonged until May closes, if the weather chance to be somewhat cool. Rules given for mulching Hyacinths apply equally well to Tulips.

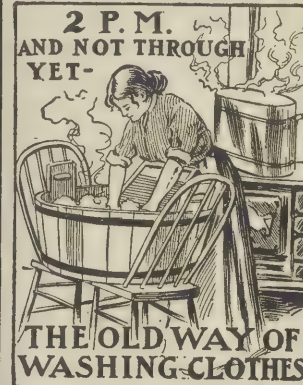
After all is said, there is more in a proper selection than in the amount invested to secure a choice display of flowers, and a modest outlay in the various classes of rich bloomers will insure an uninterrupted display from early spring until the frosts of autumn draw the curtain, all too soon.

Mrs. A. H. Haslett.

GREATEST HOUSEHOLD NECESSITY FREE

The "1900" Ball-Bearing Family Washing Machine is Absolutely Indispensable in Every Home.

No More Rubbing, Stoopng, Boiling or Wearing Out of Clothes. Saves Time, Labor and Expense. Only Perfect Washer Made.



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Without Advance
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Freight Paid, on
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The "1900" Ball-Bearing Washer is unquestionably the greatest labor-saving machine ever invented for family use. Entirely new principle. It is simplicity itself. It revolves on bicycle ball-bearings, making it by far the easiest running washer on the market. No strength required.

No more stooping, rubbing, boiling of clothes. Hot water and soap all that is needed. It will wash large quantities of clothes (no matter how soiled) perfectly clean in six minutes.

The "1900" Washer will wash collars and cuffs, laces, cambrics and the most delicate materials perfectly clean and positively without tearing or wearing them out in the slightest degree. It will wash blankets, bedspreads, carpets, etc., just as easily and thoroughly.

The "1900" Washer not only prevents wear and tear, but it saves soaps, materials and a great deal of time and hard work. As shown in the illustrations, which are not at all exaggerated, with the "1900" Washer an ordinary wash may be finished at 9 A. M., while with the old-fashioned wash-board it would take several hours longer and the work would be very much harder.

ABSOLUTE PROOF FROM USERS OF THE "1900" WASHER.

\$1,000.00 Will Be Paid to Any One Who Can Prove That Any of the Following Letters Are Not Genuine:

Verna P. O., Virginia, March 4, 1902.

Gentlemen—The "1900" Washer is the best, cleanest and easiest washer that I have ever seen. Clothes need no hand-rubbing whatever, as the machine cleans them better than by hand. All that is necessary is to have the water ready and the machine properly used does the rest. It is undoubtedly the best washing machine on the market.

GEO. M. COUNCELL, Postmaster.

Kansas City, Mo., May 14, 1902.
I have given your washer a fair trial. It is the best washer I ever saw. It has washed our heavy blankets with perfect ease. I washed them last spring and rubbed more than an hour and yet they had to go through again, but the "1900" Washer cleaned them thoroughly clean. We do our washing so quick and have no tired and worn-out feeling as of old. I wish every lady had a washer.

MRS. J. L. BANNER, 4203 Troost Ave.

Golden Gate, Ills., May 6, 1902.

Please find enclosed remittance for your washer. I cannot praise it too high. I don't see how I have done without it before. No more backache. It is a Godsend to weak women. Please accept my heart-felt thanks to you, for it is the first free trial I ever sent for that was indeed free.

MRS. CARRIE STAFFORD.

Butler, N. J., October 22, 1901.

Your washer is the best and easiest ever made. I never saw its equal. One of my sons, who is an engineer, gets his over-clothes very dirty. They have been washed by your "1900" Washer just as clean as when they were new. It washes everything perfectly clean. It runs so easy that my little granddaughter did the first two tubs full. It is a marvel and I would not part with it for \$100. In two months it will pay for itself.

Respectfully, MRS. MARTHA WITTY.

For catalogue and full particulars of this liberal and absolutely genuine offer, address

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Plants and flowers are like people. Their health depends upon their food. It must be nourishing, but not too rich to force growth and cause reaction. You may have beautiful Plants by giving them proper nourishment and the one chemically correct flower food for house plants is

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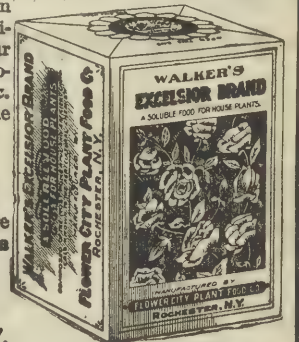
It has no odor and can be used dry, either mixed with the soil or applied as a top dressing

or it can be dissolved and used in solution. A pinch of it in water will preserve cut flowers a much longer time. Full directions for use given with each package. Use it and your flowers will flourish and their health last. Put up in a substantial wooden box and mailed to your address for only 25c. (Enough to feed 25 plants six months) or we will give you one box free with every Three Year subscription at our special rate of \$1.00 or One Year subscription at 50 cents each, our regular price, provided you add 10 cents to pay for postage and packing. Given Free for securing one new three year or two new one year subscriptions. With every package we send Free the book "How to make the Window Garden a Success," by Eben E. Rexford. Address.

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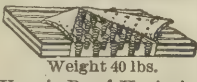
DARKEN YOUR GRAY HAIR



DUBY'S OZARK HERBS restore gray, streaked or faded hair to its natural color, beauty and softness. Prevents the hair from falling out, promotes its growth, cures and prevents dandruff, and gives the hair a soft, glossy and healthy appearance. **IT WILL NOT STAIN THE SCALP.** It is not sticky or dirty, contains no sugar of lead, nitrate silver, copperas, or poisons of any kind, but is composed of roots, herbs, barks and flowers. It is **NOT A DYE**, but a **HAIR TONIC** and costs **ONLY 25 CENTS TO MAKE ONE PINT.** It will produce the most luxuriant tresses from dry, coarse and wiry hair, and bring back the color it originally was before it turned gray. There is more health to the hair in a single package of **DUBY'S OZARK HERBS** than in all the hair dyes and dyes made. Full size package sent by mail, postpaid, for 25 cents. Address **OZARK HERB COMPANY, St. Louis, Mo.**

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Plants for Winter.

(Continued from page three)

a perfect mist of greenery. The budded Tuberoses, the half-dozen double Petunias, and the last of the Tuberous Begonias and Gloxinias must have a chance for the present. Later they will be cleared away,—the bulbs dried off, and the Petunias consigned to the cellar, whither will also attend them, the Rose and the Pennyroyal Geraniums, the Chrysanthemums, the Abutilons, except Savitzii, the Lantanas, and the Fuchsias, except Speciosa, which is a fine, large plant, full of blooming points, and the Trailing Queen, which is beautiful enough without flowers with its dense masses of clustering leaves, and its graceful trailing habit.

The Umbrella Plant, *Cyperus alternifolius* has sixty "umbrellas," and is altogether a beautiful thing. We do not know how it will behave in winter, but we shall keep the plant while it is as ornamental as it is now. It came from the florists, a tiny "mailing size," in July. We had never cultivated it before, but we do not intend to miss it hereafter, in the summer, at all events.

And the dainty Swainsona, and its complement, the Genista, we must have, and, dear me! if we could only save them all!

It goes without saying that we have Primulas, and still Primulas; next to Begonias these are the darlings of our collection of plants.

We have quantities of Hyacinths and choice Narcissi rooting in the cellar, and there we have drawn the line, as far as bulbs are concerned.

Last winter was a bulb winter with us, and we must have a change occasionally, or we shall never make the floral rounds. *Mrs. W. A. Cutting, Massachusetts.*

Some September Notes.

(Continued from page two)

like an attempt at ornamental iron work, but the iron has now mostly disappeared beneath the mass of foliage. It began to bloom early in July, I think, and still has some flowers and there are lots of heps which will be showy, they say; I never had any of these last before. Whether this wealth of bloom and fruit is owing to the arch of iron, I do not know, but the plant can now be seen across the yard, which was not easy before, no stranger ever noticing it until led to the spot. I set two of its hybrids but both died the first time trying. Better fortune next time, perhaps, but I imagine they have not the hardiness of their parent. *E. S. Gilbert, New York.*

Our Garden Department alone is worth the subscription price of *Vick's Magazine*, and the Editor of that department will take pleasure in answering any questions in regard to the Garden that our subscribers may send to us.

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We will give one of the famous Victor Talking Machines to any one securing subscriptions to *Vick's Family Magazine* to the amount of \$6.00. This will require only six subscriptions at our special offer of three years for \$1.00, or twelve yearly subscriptions at 50 cents each.

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All correspondence and medicine sent free from outside printing and your letters will receive my personal attention **ONLY**. Send for free booklet. Yours sincerely,
P. O. Box 190, Rochester, N. Y.

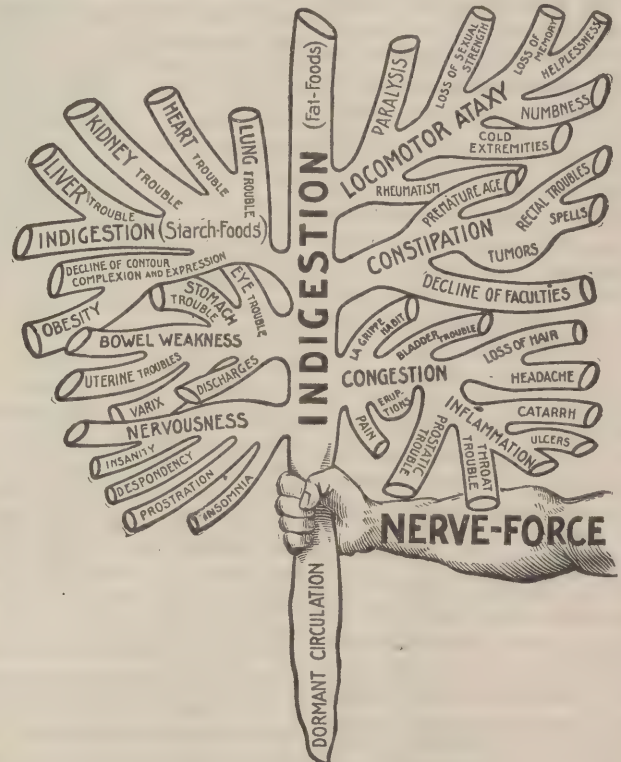
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DORMANT CIRCULATION;

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Talks About Flowers.

(Continued from page Four.)

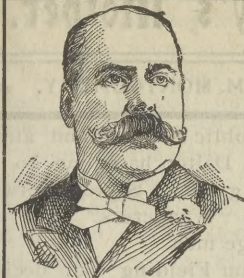
for a week or two in a box or cupboard in a room where it is lighter and warmer than in the cellar, and where they may prepare themselves for the brightness of the window garden. Plan to get them in their permanent home about a week before Christmas. If the place is sunny they will naturally blossom sooner than where it is cool and shady. However, the flowers will last much longer in a sunless window than where the warmth and light are excessive.

If some of the double hyacinths try to blossom before the flowers have grown out of the neck of the bulb, set the pots in a cooler position and slip a small funnel, made from a piece of paper, down over the plant. If the funnel is cut off at a proper length the flowers will usually grow up to the light and blossom as they ought. If one has patience and allows the bulbs to largely follow their own inclinations as to when they shall come into flower, the above procedure may never have to be gone through. Plenty of water will be appreciated by the bulbs when beginning to bloom. Liquid fertilizers should also be given unless the soil is very rich.

It is a good plan to examine the hardy roses, as well as all others, to see that the fall crop of rose slugs is not doing the plants any damage. Prepare an infusion of the insecticide that you like best, and syringe the bushes with it, even if only a few are in sight; this will discourage those that are following the vocation of their ancestors, and prevent others from doing likewise. If they are not attended to now they will turn into flies, which, in turn, will lay eggs and these will hatch into the slugs that next summer will cause your roses and yourself a great deal of trouble.

After the first fall rains there are usually many sunny days when the weeds will improve every opportunity to grow, and it would be a mistake to leave them unmolested. All of them may not go to seed, but they spoil the looks of the place, and neatness and tidiness should be cultivated in the garden along with the flowers. Because it is fall and the work is nearing a close, do not leave the yard in an untidy condition. The up-to-date gardener cares as much for the appearance of the grounds in November as in June.

If you have made any mistakes during the summer or scored any big victories, you should make a note of the fact on paper, unless you are sure you can keep the subject in mind, which you are liable not to do. A garden note book should have a place of honor next to the hoe and watering pot. In it you can jot down the good points of this or that plant, the changes you intend to make in the garden next summer, new methods of culture of which you did not know, and dozens of other things that will be a help to you later on. By all means, have a note book.



Dr. E. M. Boynton.

To The Readers of VICK'S MAGAZINE.

This Advertisement is for you. It means a great deal if you or your friends are afflicted with that dreadful disease, **Cancer**. I am the only physician in the world who takes Cancer cases on the big terms of "No Cure, No Pay." Other physicians want their money in advance for they well know if they do not get it that way they will never get it, because they do not and cannot cure you. Please note that all absorption and oil treatments never cure, and it is foolish to fool away money and precious time on them. Understand, I take your case on the terms of "No Cure, No pay," in other words I do not ask for one cent until the cancer is out. This

applies to all (**External Cancers**). I do all I promise. Send for my Health Herald. It is **free**. When you write tell me all about your cancer, to save time, and I will tell you what I can do, how long it will take, the cost after the cancer is out. You do not pay one cent until it is out. Send for testimonials. Is it not conclusive evidence that I understand the treatment of cancers when I charge nothing unless I make the cure. For want of space I will refer you to only a few names of persons cured by me, but will give you all the names you wish to write to or call upon. Mrs. L. B. Howe, 40 West St., Biddeford, Me., A. L. Berry, Salco, Me., Rev. M. J. McDonald, Beech Springs, Miss., Mrs. James Wilkins, Herkimer, N. H., Mrs. Nellie Clark, 750 Tremont St., Boston, Mass., Mrs. Chas. McBratney, Holly, Oakland Co., Mich. If you have a cancer write me or send this advertisement to some afflicted friend. Beware of those who want their money in advance. Write today, do not delay. Five hundred dollars (\$500.00) will be given to anyone who will prove I do not do all I say in this advertisement. I have treated cancers for years, and will fulfill all I promise. Do not fail to explain your case fully when writing. Address all letters to—

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To every lady who sells 10 cans of our Baking Powder, etc., (on our Plan No. 59) giving free to each purchaser a beautiful Glass Pitcher and six glasses, we give this 44-pc. handsomely decorated Tea Set, full size for table use, free. No money required in advance. Simply send your name & address & we will send you our plans, order blank, etc. We will allow you time to deliver the Baking Powder, & collect the money before paying us. You run no risk, as we pay the freight, & will trust you with the Baking Powder & Dishes, etc. We also give away 12 Piece Dinner Sets, Dress Skirts, Couches, Rocking Chairs, Furniture, etc., for selling our goods. Address **King Mfg. Co., 638 King Bldg., St. Louis, Mo.**

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A Dollar worth of Tricks and Make-Ups, sent by mail for 25 cents, stamps or silver. A nice Moustache or Full Beard, Rub, Galway, Irish or Side Whiskers, any color, a Bottle of Spirit Gum to stick them on, Box of Prepared Burnt Cork to blacken up, fm. Rubber Mouth big teeth, Secret and Apparatus for performing the Great Vanishing-Half-Dollar-Trick, Cure for Love a novelty sure to please. Mention the paper you saw this Ad in and I will put in a heavy GOLD and Silver RING Free, and my large Ill's cat's of Plays, Wigs, Tricks and agents latest Novelties. Chas. Marshall, Mfr. Lockport, N. Y.

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Made from select glove stock in Black, Wine, Tan and Chocolate. Just the thing for Housecleaning, Gardening, Driving, Wheeling, Outing, Golf, etc. Give size of kid glove worn. Write for terms to Agents. Address, HOPKINS GLOVE CO., 21 Apollo, Cincinnati, Ohio.

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Teddy's Mother.

BY L. M. MONTGOMERY.

It was a public holiday, and almost everybody in Dalton had gone to see the football game at Seyton between the Dalton "Wanderers" and the Seyton College men.

But William Fielding had decided to spend the day in his office. His wife and his two daughters were in Europe; he did not care for football, and there was good deal of extra work to be done.

"I'll have a good look into those papers in the C. & R. railroad case today," he thought, as he entered his office.

The big building seemed unusually quiet and hushed. He reflected with satisfaction that he was not likely to be disturbed by callers.

Later in the day he remembered that he had not read the letter which he had found in his box on the way down town. It was addressed to him in a somewhat tremulous hand, and bore the post office stamp of a little village at the other side of the continent.

"Mother writes a good hand for a woman of her age," he thought, as he opened it.

The letter was short and written on cheap, blue-lined paper, with frequent lapses of spelling and grammar. It told all the simple home news and bits of gossip about neighbors whom he had half forgotten. On the last page the handwriting grew shakier. She was feeling "terrible lonesome" she wrote.

"It seems so long since I've seen you, William. Can't you come home for a spell this summer when Marion is in Europe? You haven't been home for ten years, William, I'm thinking. I do so long to see my dear boy."

Mr. Fielding frowned slightly as he folded the letter up. He drummed his fingers on the desk. His mother's request had come at a peculiarly inconvenient time. To be sure, he had often felt that he ought to go and see her. But he had always been too busy; he could not spare the time. A trip East to be worth while at all would take at least two months.

"I can't possibly go this summer, anyhow," he reflected impatiently.

"Those nine cases are coming on next month. I suppose Morton could attend to them, but I should hardly care to trust them solely to him. Then there's the house to look after while Marion is away—and I've promised Tremayne to spend my vacation hunting silver tips in the mountains with him. Mother must wait until next summer. I'll write her just how it is—she'll understand. Mother was always a famous hand to understand a fellow.

"But he did not feel altogether satisfied as he began his letter. He determined to write a good, long, newsy letter by way of a salve to his

conscience, remembering with some shame the hasty scrawls he had fallen into the habit of sending her. A rap at the door interrupted him.

"Come in," he called, impatiently, wondering who it could be.

The figure that appeared in the doorway was quaint enough to provoke a smile. A little old woman—such a tiny scrap of a woman, with delicate, bleached features and bright, dark eyes. Under a very old-fashioned bonnet of quilted black satin her silvery hair was twisted down over her ears in a fashion which Mr. Fielding remembered seeing old ladies wear in his boyhood. Her dress was a dull-colored print, plain and neat, and she wore a gay Paisley shawl. In one hand she carried a huge bunch of sweet peas, and in the other a small covered basket.

She flashed a quick glance over the room.

"Oh, ain't Teddy here?" she faltered, disappointedly.

Teddy! Mr. Fielding remembered that young Wyndham, the clever young lawyer next door, was called Teddy by his friends. This was probably his mother. He knew that Wyndham belonged in the country.

He rose and offered the little lady a chair.

"If you mean Mr. Wyndham, his office is next door. But I'm afraid you won't find him there, either. I think he has gone to the football match at Seyton. This is a public holiday, you know."

"No, I didn't know, sir." There was a tremor in her voice and her lips quivered suddenly. "If I'd known it I wouldn't have come. Do you know when Teddy will be back?"

"Not before, night I'm afraid, Mrs. Wyndham.

The game won't be over until late in the afternoon, and I believe there is to be a banquet in the evening."

"And I must go home on the afternoon train. I won't see Teddy at all!

Well, I s'pose it serves me right for not sending him word I was coming. Ted always likes me to send him word so he can meet me at the train and look after me. But I thought I'd just like to surprise him, and anyhow, I took the notion sudden-like this morning. And I've brought him a basket of jelly tarts—Ted is so fond of jelly tarts—and this posey. Ted likes flowers. Maybe you'd like to keep 'em, sir. 'Tisn't no use lugging them back—they'd only fade."

She gave a little choke of disappointment, in spite of her efforts to suppress it. Mr. Fielding felt as uncomfortable as if he had been responsible. He got up briskly and took the flowers.

"Thank you, Mrs. Wyndham. Your sweet peas are beautiful and remind

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me of those which used to grow in my mother's garden away down East. I'm not so fortunate as Ted—my mother is too far away to drop in and see me."

"I guess she wishes she could often enough. She must miss you dreadful," said his visitor simply. "It don't seem's if I could live if I didn't see Ted every once in a little while. He knows that, and he comes out 'most every week, for all he's so busy. If he can't come, he sends a great long letter just full of fun and jokes. Teddy is an awful good son, sir."

Mr. Fielding felt still more uncomfortable as he hunted out a glass for his sweet peas. Perhaps the contrast between his conduct and Ted's came home to him sharply. The little lady, who was evidently fond of talking, went on:

"As I came along on the train I was just thinking what good times we'd have today. Last time he was out Teddy promised me a drive in the park next time I came to town. I'm real disappointed—but it's all my own fault. I should have remembered 'twas a holiday."

The gentle, little voice ended in a sigh. The lawyer noticed that she looked very tired. Under the impulse of a sudden idea, he said:

"Mrs. Wyndham, I think you must let me act as Ted's proxy today. You will be my little mother and I'll give you as good a time as possible. You shall have your drive in the park."

Mrs. Wyndham looked at him doubtfully, yet eagerly.

"Oh, sir—but you're busy—"

"No, I'm not—or I oughtn't to be. I am beginning to think I'm a very unpatriotic citizen, pegging away here instead of enjoying my holiday. We will have a splendid time. My name is Fielding, and I assure you I'm considered a very respectable person. The first thing is lunch. I know you're hungry, and so am I. So come along. Remember, I'm to be your son for the day."

A pink flush of delight spread over her tiny face.

"I guess you know what mothers like," she said gleefully. "And I know how much your mother must think of you, and you of her, when you're so good to other boy's mothers. Oh, I'm real glad to go with you, sir. I don't know anybody here and I always feel kind of bewildered when I haven't Ted to stick to. May I leave these jelly tarts here?"

"Yes, I'll lock them up in my desk," said Mr. Fielding, boyishly, "Ted'll get them when he comes."

She gave herself up to enjoyment with the abandon of a child. Her clear little laugh trilled out continually. She chattered to him as she might have done to Ted, telling him all the ins and outs of the farm at home. She did not often take a holiday, she assured him. Her husband was dead and she had run the farm for years; Ted was her only son—such a good, kind, clever boy.

"There ain't many like him, if I do say it myself," she declared proudly.

They had lunch together in an up-town restaurant whose splendor nearly took her breath away. Then Mr. Fielding telephoned for his own luxurious carriage, and they went for their drive in the park. The busy, middle-aged lawyer felt like a boy again. He found himself talking to her of his own mother, describing the little down east village where he was born, and relating some scrapes of his school days that made her laugh.

"That's so much like Ted. Such a boy for mischief as he was—not bad mischief, though. How proud your mother must be of you! And how often she must think of you! It is such a comfort to have a good son, who doesn't forget his mother. I'm awful sorry for the poor mothers whose boys get kind of careless-like and neglectful—not writing to them or going to see them as often as they might."

When the drive was over he took her to the train. "Such a good time as I've had," she said gratefully. "Ted himself couldn't have given me a better treat."

"I think our holiday has been a success," said Mr. Fielding, genially. "I know I've enjoyed being Ted's proxy ever so much."

"Ted always kisses me good-bye," she said archly. Mr. Fielding laughed and bent over the little old lady.

"There! That's one for Ted, and here's another for my mother. Good-bye and safe home to you."

From the window of the car she beckoned to him as the train started.

"Them jelly tarts," she whispered, "I forgot about 'em. You keep 'em for yourself. Ted'll have such good things at the banquet that he won't want 'em." When Mr. Fielding went back to his office he saw his half-written letter to his mother lying on his desk. He tore it in two and flung it in the waste basket. Then he sat down and wrote:

"Dear Little Mother: Your letter came today. This is not an answer to it, but merely a note to say I'll answer it in person. I am going East as soon as I can make the necessary arrangements and you may look for me within a week or so after receiving this. We will have a real, good long visit together. With much love,

Your affectionate son,

"William Fielding."

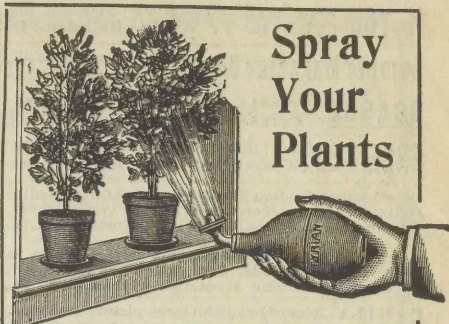
"So much to the credit of Ted's mother," he said with a smile. "And now for some of those tarts,"

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